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L Number	Hits	Search Text	DB	Time stamp
1	24	riggs-g\$.in.	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 16:03
2	1	riggs-g\$.in. and abstract	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 16:12
3	372	(summar\$7 or abstract\$6) SAME contract\$7 SAME (term\$2 or condition\$2)	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 16:13
4	25	((summar\$7 or abstract\$6) SAME contract\$7 SAME (term\$2 or condition\$2)) SAME (carrier\$2 or ship\$6)	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 16:17
5	41	(approv\$6 or authoriz\$6) NEAR5 (chang\$6 or alter\$6) NEAR5 (contract\$6)	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 17:01
6	11	shipper\$4 SAME carrier\$6 SAME (negotiat\$6 NEAR5 contract\$2)	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 16:30
7	95	(approv\$6 or authoriz\$6 or negotiat\$6) NEAR5 (chang\$6 or alter\$6 or addendum\$2) NEAR5 (contract\$6)	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 17:02
8	4	((approv\$6 or authoriz\$6 or negotiat\$6) NEAR5 (chang\$6 or alter\$6 or addendum\$2) NEAR5 (contract\$6)) AND shipper\$2 AND carrier\$2	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 17:02

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L Number	Hits	Search Text	DB	Time stamp
1	224	((request NEAR2 (proposal\$2 or quote\$2)) or RRP\$1 or RFQ\$1) SAME (carrier\$2 or shipper\$2 or logistics or shipment\$2 or delivery or deliveries)	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 12:47
2	20	((request NEAR2 (proposal\$2 or quote\$2)) or RRP\$1 or RFQ\$1) SAME (carrier\$2 or shipper\$2 or logistics or shipment\$2 or delivery or deliveries)) SAME compar\$7	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 12:36
3	138	((RFP\$1) SAME (carrier\$2 or shipper\$2 or logistics or shipment\$2 or delivery or deliveries))	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 12:48
4	17	((RFP\$1) SAME (carrier\$2 or shipper\$2 or logistics or shipment\$2 or delivery or deliveries))) SAME compar\$8	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 13:04
5	0	chamber-p\$.in.	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 13:05
6	216	chambers-p\$.in.	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 13:05
7	8	bannerman-b\$.in.	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 13:05
8	1	chambers-p\$.in. and bannerman-b\$.in.	USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB	2004/08/17 13:05

Your SELECT statement is:

s ((request? ?(2n) (proposal? ? or quote? ?)) or RFP? ? or RFQ? ?) and
((carrier? ? or shipper? ? or transport) (10n) (side(2n)side) (3n) compar?)

Items	File
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1	9: Business & Industry(R)_Jul/1994-2004/Aug 16
1	15: ABI/Inform(R)_1971-2004/Aug 16
5	16: Gale Group PROMT(R)_1990-2004/Aug 17
3	20: Dialog Global Reporter_1997-2004/Aug 17
1	75: TGG Management Contents(R)_86-2004/Aug W2

Examined 50 files

Examined 100 files

3	148: Gale Group Trade & Industry DB_1976-2004/Aug 17
---	--

Examined 150 files

Examined 200 files

>>>File 349 processing for COMPAR? stopped at COMPARISONRESULT

1	349: PCT FULLTEXT_1979-2002/UB=20040812,UT=20040805
---	---

Examined 250 files

Examined 300 files

1	484: Periodical Abs Plustext_1986-2004/Aug W1
---	---

1	492: Arizona Repub/Phoenix Gaz_19862002/Jan 06
---	--

Examined 350 files

1	570: Gale Group MARS(R)_1984-2004/Aug 17
---	--

Examined 400 files

1	608: KR/T Bus.News._1992-2004/Aug 17
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2	613: PR Newswire_1999-2004/Aug 17
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2	621: Gale Group New Prod.Annou.(R)_1985-2004/Aug 17
---	---

2	636: Gale Group Newsletter DB(TM)_1987-2004/Aug 17
---	--

2	649: Gale Group Newswire ASAP(TM)_2004/Aug 11
---	---

Processing

Processing

1	654: US Pat.Full._1976-2004/Aug 12
---	------------------------------------

Examined 450 files

1	674: Computer News Fulltext_1989-2004/Jul W4
---	--

1	696: DIALOG Telecom. Newsletters_1995-2004/Aug 17
---	---

Examined 500 files

Examined 550 files

5	995: NewsRoom 2000
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19 files have one or more items; file list includes 559 files.

One or more terms were invalid in 2 files.

Dialog
8/17/04

Set	Items	Description
S1	35	((REQUEST? ?(2N) (PROPOSAL? ? OR QUOTE? ?)) OR RFP? ? OR RF- Q? ?) AND ((CARRIER? ? OR SHIPPER? ? OR TRANSPORT) (10N) (SIDE(- 2N)SIDE) (3N)COMPAR?)
S2	14	RD (unique items)
S3	3	S2 AND (SHIP? OR DELIVER?) <i>-burg</i>
File	9:Business & Industry(R)	Jul/1994-2004/Aug 16 (c) 2004 The Gale Group
File	15:ABI/Inform(R)	1971-2004/Aug 16 (c) 2004 ProQuest Info&Learning
File	16:Gale Group PROMT(R)	1990-2004/Aug 17 (c) 2004 The Gale Group
File	20:Dialog Global Reporter	1997-2004/Aug 17 (c) 2004 The Dialog Corp.
File	75:TGG Management Contents(R)	86-2004/Aug W2 (c) 2004 The Gale Group
File	148:Gale Group Trade & Industry DB	1976-2004/Aug 17 (c) 2004 The Gale Group
File	349:PCT FULLTEXT	1979-2002/UB=20040812, UT=20040805 (c) 2004 WIPO/Univentio
File	484:Periodical Abs Plustext	1986-2004/Aug W1 (c) 2004 ProQuest
File	492:Arizona Repub/Phoenix Gaz	19862002/Jan 06 (c) 2002 Phoenix Newspapers
File	570:Gale Group MARS(R)	1984-2004/Aug 17 (c) 2004 The Gale Group
File	608:KR/T Bus.News.	1992-2004/Aug 17 (c) 2004 Knight Ridder/Tribune Bus News
File	613:PR Newswire	1999-2004/Aug 17 (c) 2004 PR Newswire Association Inc
File	621:Gale Group New Prod. Annou. (R)	1985-2004/Aug 17 (c) 2004 The Gale Group
File	636:Gale Group Newsletter DB(TM)	1987-2004/Aug 17 (c) 2004 The Gale Group
File	649:Gale Group Newswire ASAP(TM)	2004/Aug 11 (c) 2004 The Gale Group
File	654:US Pat.Full.	1976-2004/Aug 12 (c) Format only 2004 The Dialog Corp.
File	674:Computer News Fulltext	1989-2004/Jul W4 (c) 2004 IDG Communications
File	696:DIALOG Telecom. Newsletters	1995-2004/Aug 17 (c) 2004 The Dialog Corp.
File	995:NewsRoom	2000 (c) 2004 The Dialog Corporation

Your SELECT statement is:

s ((approv? or autoriz?)(5n)(chang? or alter?)(5n)(contract or contracts)(20n)shipper? ?(10n)carrier? ?) NOT py>2000

Items	File
-----	-----
3	9: Business & Industry(R)_Jul/1994-2004/Aug 16
1	13: BAMP_2004/Aug W2
7	15: ABI/Inform(R)_1971-2004/Aug 17
5	16: Gale Group PROMT(R)_1990-2004/Aug 17
>>>File 20 processing for CHANG? stopped at CHANGYANG	
1	20: Dialog Global Reporter_1997-2004/Aug 17
1	47: Gale Group Magazine DB(TM)_1959-2004/Aug 17
Examined 50 files	
Examined 100 files	
30	148: Gale Group Trade & Industry DB_1976-2004/Aug 17
11	180: Federal Register_1985-2004/Aug 17
Examined 150 files	
1	277: ONTAP(R) Investext(R)_
Examined 200 files	
Examined 250 files	
Examined 300 files	
2	484: Periodical Abs Plustext_1986-2004/Aug W1
Examined 350 files	
1	545: Investext(R)_1982-2004/Aug 17
10	553: Wilson Bus. Abs. FullText_1982-2004/Jul
Examined 400 files	
16	608: KR/T Bus.News._1992-2004/Aug 17
2	620: EIU:Viewswire_2004/Aug 16
1	635: Business Dateline(R)_1985-2004/Aug 17
25	637: Journal of Commerce_1986-2004/Aug 17
3	660: Federal News Service_1991-2002/Jul 02
Examined 450 files	
1	716: Daily News Of L.A._1989-2004/Aug 15
1	728: Asia/Pac News_1994-2004/Aug W3
Examined 500 files	
Examined 550 files	
Processing	
3	995: NewsRoom 2000

20 files have one or more items; file list includes 559 files.
One or more terms were invalid in 104 files.

Set	Items	Description
S1	125	((APPROV? OR AUTHORIZ?) (5N) (CHANG? OR ALTER?) (5N) (CONTRACT OR CONTRACTS) (20N) SHIPPER? ? (10N) CARRIER? ?) NOT PY>2000
S2	110	RD (unique items)
S3	24	S2 AND ((CHANG? OR ALTER?) (3N) CONTRACT? ?) <i>—buc</i>
File	9:Business & Industry(R)	Jul/1994-2004/Aug 16 (c) 2004 The Gale Group
File	13:BAMP 2004/Aug W2	(c) 2004 The Gale Group
File	15:ABI/Inform(R)	1971-2004/Aug 17 (c) 2004 ProQuest Info&Learning
File	16:Gale Group PROMT(R)	1990-2004/Aug 17 (c) 2004 The Gale Group
File	20:Dialog Global Reporter	1997-2004/Aug 17 (c) 2004 The Dialog Corp.
File	47:Gale Group Magazine DB(TM)	1959-2004/Aug 17 (c) 2004 The Gale group
File	148:Gale Group Trade & Industry DB	1976-2004/Aug 17 (c) 2004 The Gale Group
File	180:Federal Register	1985-2004/Aug 17 (c) 2004 format only The DIALOG Corp
File	277:ONTAP(R)	Investext(R) (c) 1992 Thomson Financial Networks
File	484:Periodical Abs Plustext	1986-2004/Aug W1 (c) 2004 ProQuest
File	545:Investext(R)	1982-2004/Aug 17 (c) 2004 Thomson Financial Networks
File	553:Wilson Bus. Abs. FullText	1982-2004/Jul (c) 2004 The HW Wilson Co
File	608:KR/T Bus.News.	1992-2004/Aug 17 (c) 2004 Knight Ridder/Tribune Bus News
File	620:EIU:Viewswire	2004/Aug 16 (c) 2004 Economist Intelligence Unit
File	635:Business Dateline(R)	1985-2004/Aug 17 (c) 2004 ProQuest Info&Learning
File	637:Journal of Commerce	1986-2004/Aug 17 (c) 2004 Commonwealth Bus. Media
File	660:Federal News Service	1991-2002/Jul 02 (c) 2002 Federal News Service
File	716:Daily News Of L.A.	1989-2004/Aug 15 (c) 2004 Daily News of Los Angeles
File	728:Asia/Pac News	1994-2004/Aug W3 (c) 2004 Dialog Corporation
File	995:NewsRoom	2000 (c) 2004 The Dialog Corporation

8/17/04

Your SELECT statement is:
s (Transportation()Safety()Record)

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#1604

Items	File
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2	15: ABI/Inform(R)_1971-2004/Aug 16
3	16: Gale Group PROMT(R)_1990-2004/Aug 16
2	20: Dialog Global Reporter 1997-2004/Aug 16
1	40: Enviroline(R)_1975-2004/Jun
Examined 50 files	
Examined 100 files	
1	147: The Kansas City Star_1995-2003/Sep 26
3	148: Gale Group Trade & Industry DB_1976-2004/Aug 16
1	156: ToxFile_1965-2004/Aug W3
1	161: Occ.Saf.& Hth._1973-1998/Q3
7	180: Federal Register_1985-2004/Aug 16
Examined 150 files	
Examined 200 files	
1	354: Ei EnCompassLit(TM)_1965-2004/Aug W3
Examined 250 files	
1	420: UnCover_1988-2001/May 31
1	432: Tampa Tribune_1998-2004/Aug 13
Examined 300 files	
1	483: Newspaper Abs Daily_1986-2004/Aug 13
Examined 350 files	
1	553: Wilson Bus. Abs. FullText_1982-2004/Jul
Examined 400 files	
1	613: PR Newswire_1999-2004/Aug 16
1	621: Gale Group New Prod.Annou.(R)_1985-2004/Aug 16
1	634: San Jose Mercury_Jun 1985-2004/Aug 14
2	636: Gale Group Newsletter DB(TM)_1987-2004/Aug 16
1	640: San Francisco Chronicle_1988-2004/Aug 15
1	649: Gale Group Newswire ASAP(TM)_2004/Aug 10
7	660: Federal News Service_1991-2002/Jul 02
Examined 450 files	
1	704: (Portland)The Oregonian_1989-2004/Aug 15
2	734: Dayton Daily News_Oct 1990- 2004/Aug 13
Examined 500 files	
1	781: ProQuest Newsstand_1998-2004/Aug 16
Examined 550 files	
2	992: NewsRoom 2003
1	993: NewsRoom 2002
2	995: NewsRoom 2000

27 files have one or more items; file list includes 559 files.

Set	Items	Description
S1	49	(TRANSPORTATION() SAFETY() RECORD)
S2	39	RD (unique items)
S3	28	S2 NOT PY>2000
S4	13	S3 AND (SHIPPER? ? OR CARRIER? ? OR ERP OR (ENTERPRISE() RE- <i>but</i> SOURCE))
S5	0	S4 AND ERP
S6	0	S4 AND (ENTERPRISE() RESOURCE)
S7	0	S4 AND MRP
S8	0	S1 AND ERP
File 15:	ABI/Inform(R)	1971-2004/Aug 16 (c) 2004 ProQuest Info&Learning
File 16:	Gale Group PROMT(R)	1990-2004/Aug 16 (c) 2004 The Gale Group
File 20:	Dialog Global Reporter	1997-2004/Aug 16 (c) 2004 The Dialog Corp.
File 40:	Enviroline(R)	1975-2004/Jun
File 147:	The Kansas City Star	1995-2003/Sep 26 (c) 2003 Kansas City Star
File 148:	Gale Group Trade & Industry DB	1976-2004/Aug 16 (c) 2004 The Gale Group
File 156:	ToxFile	1965-2004/Aug W3 (c) format only 2004 The Dialog Corporation
File 161:	Occ.Saf.& Hth.	1973-1998/Q3 (c) Format only 1998 The Dialog Corp.
File 180:	Federal Register	1985-2004/Aug 16 (c) 2004 format only The DIALOG Corp
File 354:	Ei EnCompassLit(TM)	1965-2004/Aug W3 (c) 2004 Elsevier Eng. Info. Inc.
File 420:	UnCover	1988-2001/May 31 (c) 2001 The UnCover Company
File 432:	Tampa Tribune	1998-2004/Aug 13 (c) 2004 Tampa Tribune
File 483:	Newspaper Abs Daily	1986-2004/Aug 13 (c) 2004 ProQuest Info&Learning
File 553:	Wilson Bus. Abs. FullText	1982-2004/Jul (c) 2004 The HW Wilson Co
File 613:	PR Newswire	1999-2004/Aug 16 (c) 2004 PR Newswire Association Inc
File 621:	Gale Group New Prod. Annou. (R)	1985-2004/Aug 16 (c) 2004 The Gale Group
File 634:	San Jose Mercury	Jun 1985-2004/Aug 14 (c) 2004 San Jose Mercury News
File 636:	Gale Group Newsletter DB(TM)	1987-2004/Aug 16 (c) 2004 The Gale Group
File 640:	San Francisco Chronicle	1988-2004/Aug 15 (c) 2004 Chronicle Publ. Co.
File 649:	Gale Group Newswire ASAP(TM)	2004/Aug 10 (c) 2004 The Gale Group
File 660:	Federal News Service	1991-2002/Jul 02 (c) 2002 Federal News Service
File 704:	(Portland)The Oregonian	1989-2004/Aug 15 (c) 2004 The Oregonian
File 734:	Dayton Daily News	Oct 1990- 2004/Aug 13 (c) 2004 Dayton Daily News
File 781:	ProQuest Newsstand	1998-2004/Aug 16 (c) 2004 ProQuest Info&Learning
File 992:	NewsRoom	2003 (c) 2004 The Dialog Corporation
File 993:	NewsRoom	2002 (c) 2004 The Dialog Corporation
File 995:	NewsRoom	2000 (c) 2004 The Dialog Corporation

Your SELECT statement is:
s Material()Safety()Data()Sheet? ? (20n) ERP

Items	File
2	9: Business & Industry(R)_Jul/1994-2004/Aug 13
2	13: BAMP_2004/Aug W2
5	15: ABI/Inform(R)_1971-2004/Aug 16
10	16: Gale Group PROMT(R)_1990-2004/Aug 16
8	20: Dialog Global Reporter_1997-2004/Aug 16
Examined 50 files	
1	99: Wilson Appl. Sci & Tech Abs_1983-2004/Jul
Examined 100 files	
13	148: Gale Group Trade & Industry DB_1976-2004/Aug 16
Examined 150 files	
1	249: PIRA Mgt. & Mktg. Abs._1976-2004Aug W2
Examined 200 files	
1	349: PCT FULLTEXT_1979-2002/UB=20040812,UT=20040805
Examined 250 files	
Examined 300 files	
Examined 350 files	
3	553: Wilson Bus. Abs. FullText_1982-2004/Jul
Examined 400 files	
8	621: Gale Group New Prod. Annou. (R)_1985-2004/Aug 16
1	635: Business Dateline(R)_1985-2004/Aug 14
10	649: Gale Group Newswire ASAP(TM)_2004/Aug 10

Processing
Processing

Examined 450 files	
Examined 500 files	
1	810: Business Wire_1986-1999/Feb 28
8	813: PR Newswire_1987-1999/Apr 30
Examined 550 files	

15 files have one or more items; file list includes 559 files.

8/16/04

Set	Items	Description
S1	74	MATERIAL() SAFETY() DATA() SHEET? ? (20N) ERP
S2	21	RD (unique items)
S3	16	S2 NOT PY>2000 <i>unit</i>
File	9:Business & Industry(R)	Jul/1994-2004/Aug 13
	(c) 2004	The Gale Group
File	13:BAMP 2004/Aug W2	
	(c) 2004	The Gale Group
File	15:ABI/Inform(R)	1971-2004/Aug 16
	(c) 2004	ProQuest Info&Learning
File	16:Gale Group PROMT(R)	1990-2004/Aug 16
	(c) 2004	The Gale Group
File	20:Dialog Global Reporter	1997-2004/Aug 16
	(c) 2004	The Dialog Corp.
File	99:Wilson Appl. Sci & Tech Abs	1983-2004/Jul
	(c) 2004	The HW Wilson Co.
File	148:Gale Group Trade & Industry DB	1976-2004/Aug 16
	(c) 2004	The Gale Group
File	249:PIRA Mgt. & Mktg. Abs.	1976-2004/Aug W2
	(c) 2004	Pira International
File	349:PCT FULLTEXT 1979-2002/UB=20040812,UT=20040805	
	(c) 2004	WIPO/Univentio
File	553:Wilson Bus. Abs. FullText	1982-2004/Jul
	(c) 2004	The HW Wilson Co
File	621:Gale Group New Prod. Annou. (R)	1985-2004/Aug 16
	(c) 2004	The Gale Group
File	635:Business Dateline(R)	1985-2004/Aug 14
	(c) 2004	ProQuest Info&Learning
File	649:Gale Group Newswire ASAP(TM)	2004/Aug 10
	(c) 2004	The Gale Group
File	810:Business Wire	1986-1999/Feb 28
	(c) 1999	Business Wire
File	813:PR Newswire	1987-1999/Apr 30
	(c) 1999	PR Newswire Association Inc

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9/17/03

Your SELECT statement is:
s (electronic?(3n)abstract?)(s)(shipping or shipment? ?)

Items	File
-----	-----
1	8: Ei Compendex(R)_1970-2003/Sep W1
1	10: AGRICOLA_70-2003/Sep
1	16: Gale Group PROMT(R)_1990-2003/Sep 16
1	51: Food Sci.&Tech.Abs_1969-2003/Sep W2
Examined 50 files	
Examined 100 files	
3	180: Federal Register_1985-2003/Sep 17
Examined 150 files	
4	277: ONTAP(R) Investext(R)_
Examined 200 files	
1	323: RAPRA Rubber & Plastics_1972-2003/Sep
1	340: CLAIMS(R)/US Patent_1950-03/Sep 16
2	349: PCT FULLTEXT_1979-2002/UB=20030911,UT=20030904
Examined 250 files	
Examined 300 files	
1	542: SEC Online(TM) 10-K Reports_1997/Sep W3
43	545: Investext(R)_1982-2003/Sep 17
Examined 350 files	
1	553: Wilson Bus. Abs. FullText_1982-2003/Aug
1	583: Gale Group Globalbase(TM)_1986-2002/Dec 13
1	608: KR/T Bus.News._1992-2003/Sep 17
1	613: PR Newswire_1999-2003/Sep 17
Examined 400 files	
2	619: Asia Intelligence Wire_1995-2003/Sep 17
1	621: Gale Group New Prod.Annou.(R)_1985-2003/Sep 17
19	654: US Pat.Full._1976-2003/Sep 16
Examined 450 files	
Examined 500 files	
Examined 550 files	

18 files have one or more items; file list includes 551 files.
One or more terms were invalid in one file.

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Dialog
9/15/03

Your SELECT statement is:
s Odyssey() Planning(2n) Execution

Items	File
-----	-----
Examined 50 files	
Examined 100 files	
Examined 150 files	
Examined 200 files	
Examined 250 files	
Examined 300 files	
Examined 350 files	
Examined 400 files	
Examined 450 files	
Examined 500 files	
Examined 550 files	

No files have one or more items; file list includes 551 files.

END

Your SELECT statement is:

s (Union()Carbide or Dow()Chemical) and (Planning(2n)Execution) and (ERP or SAP)

Items	File
-----	-----
1	9: Business & Industry(R)_Jul/1994-2003/Sep 12
1	13: BAMP_2003/Aug W5
3	15: ABI/Inform(R)_1971-2003/Sep 12
8	16: Gale Group PROMT(R)_1990-2003/Sep 12
3	20: Dialog Global Reporter_1997-2003/Sep 15
1	47: Gale Group Magazine DB(TM)_1959-2003/Sep 12
Examined 50 files	
Examined 100 files	
10	148: Gale Group Trade & Industry DB_1976-2003/Sep 15
Examined 150 files	
Examined 200 files	
Examined 250 files	
Examined 300 files	
1	484: Periodical Abs Plustext_1986-2003/Sep W1
Examined 350 files	
3	553: Wilson Bus. Abs. FullText_1982-2003/Aug
1	610: Business Wire_1999-2003/Sep 15
1	613: PR Newswire_1999-2003/Sep 15
Examined 400 files	
4	621: Gale Group New Prod. Annou. (R)_1985-2003/Sep 15
1	636: Gale Group Newsletter DB(TM)_1987-2003/Sep 12
4	649: Gale Group Newswire ASAP(TM)_2003/Sep 11
Examined 450 files	
Examined 500 files	
1	810: Business Wire_1986-1999/Feb 28
4	813: PR Newswire_1987-1999/Apr 30
3	994: NewsRoom 2001
Examined 550 files	

17 files have one or more items; file list includes 551 files.

9/15/03

Set	Items	Description
S1	50	(UNION() CARBIDE OR DOW() CHEMICAL) AND (PLANNING(2N) EXECUTI- ON) AND (ERP OR SAP)
S2	21	RD (unique items)
S3	7	S2 AND PY<=1998 <i>-knit</i>
File	9:Business & Industry(R)	Jul/1994-2003/Sep 12 (c) 2003 Resp. DB Svcs.
File	13:BAMP 2003/Aug W5	(c) 2003 Resp. DB Svcs.
File	15:ABI/Inform(R)	1971-2003/Sep 12 (c) 2003 ProQuest Info&Learning
File	16:Gale Group PROMT(R)	1990-2003/Sep 12 (c) 2003 The Gale Group
File	20:Dialog Global Reporter	1997-2003/Sep 15 (c) 2003 The Dialog Corp.
File	47:Gale Group Magazine DB(TM)	1959-2003/Sep 12 (c) 2003 The Gale group
File	148:Gale Group Trade & Industry DB	1976-2003/Sep 15 (c)2003 The Gale Group
File	484:Periodical Abs Plustext	1986-2003/Sep W1 (c) 2003 ProQuest
File	553:Wilson Bus. Abs. FullText	1982-2003/Aug (c) 2003 The HW Wilson Co
File	610:Business Wire	1999-2003/Sep 15 (c) 2003 Business Wire.
File	613:PR Newswire	1999-2003/Sep 15 (c) 2003 PR Newswire Association Inc
File	621:Gale Group New Prod. Annou. (R)	1985-2003/Sep 15 (c) 2003 The Gale Group
File	636:Gale Group Newsletter DB(TM)	1987-2003/Sep 12 (c) 2003 The Gale Group
File	649:Gale Group Newswire ASAP(TM)	2003/Sep 11 (c) 2003 The Gale Group
File	810:Business Wire	1986-1999/Feb 28 (c) 1999 Business Wire
File	813:PR Newswire	1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
File	994:NewsRoom	2001 (c) 2003 The Dialog Corporation

Your SELECT statement is:
s Rely() Software and transportation

Items	File
-----	-----
5	9: Business & Industry(R)_Jul/1994-2003/Sep 12
3	13: BAMP_2003/Aug W5
3	15: ABI/Inform(R)_1971-2003/Sep 12
12	16: Gale Group PROMT(R)_1990-2003/Sep 12
2	18: Gale Group F&S Index(R)_1988-2003/Sep 12
5	20: Dialog Global Reporter_1997-2003/Sep 15
1	47: Gale Group Magazine DB(TM)_1959-2003/Sep 12
Examined 50 files	
5	111: TGG Natl.Newspaper Index(SM)_1979-2003/Sep 11
Examined 100 files	
13	148: Gale Group Trade & Industry DB_1976-2003/Sep 15
1	180: Federal Register_1985-2003/Sep 15
Examined 150 files	
Examined 200 files	
Examined 250 files	
Examined 300 files	
1	479: Gale Group Company Intelligence(R)_2003/Sep 15
1	484: Periodical Abs Plustext_1986-2003/Sep W1
Examined 350 files	
1	551: TFSD Worldwide M&A_1980-2003/Aug 20
11	610: Business Wire_1999-2003/Sep 15
Examined 400 files	
1	619: Asia Intelligence Wire_1995-2003/Sep 14
3	620: EIU:Viewswire_2003/Sep 14
8	621: Gale Group New Prod.Annou.(R)_1985-2003/Sep 15
8	622: EIU Magazines_2000-2003/Sep 11
1	629: EIU:BUS. Newsletters_2003/Sep W1
2	635: Business Dateline(R)_1985-2003/Sep 15
1	636: Gale Group Newsletter DB(TM)_1987-2003/Sep 12
8	637: Journal of Commerce_1986-2003/Sep 15
8	649: Gale Group Newswire ASAP(TM)_2003/Sep 11
Examined 450 files	
Examined 500 files	
3	992: NewsRoom 2003/Jan-May
14	993: NewsRoom 2002/
2	994: NewsRoom 2001
Examined 550 files	

26 files have one or more items; file list includes 551 files.

9/15/03

Set	Items	Description
S1	123	RELY() SOFTWARE AND TRANSPORTATION
S2	53	RD (unique items)
S3	2	S2 AND PY<=2000 <i>—kuc</i>
File	9:Business & Industry(R)	Jul/1994-2003/Sep 12 (c) 2003 Resp. DB Svcs.
File	13:BAMP 2003/Aug W5	(c) 2003 Resp. DB Svcs.
File	15:ABI/Inform(R)	1971-2003/Sep 12 (c) 2003 ProQuest Info&Learning
File	16:Gale Group PROMT(R)	1990-2003/Sep 12 (c) 2003 The Gale Group
File	18:Gale Group F&S Index(R)	1988-2003/Sep 12 (c) 2003 The Gale Group
File	20:Dialog Global Reporter	1997-2003/Sep 15 (c) 2003 The Dialog Corp.
File	47:Gale Group Magazine DB(TM)	1959-2003/Sep 12 (c) 2003 The Gale group
File	111:TGG Natl.Newspaper Index(SM)	1979-2003/Sep 11 (c) 2003 The Gale Group
File	148:Gale Group Trade & Industry DB	1976-2003/Sep 15 (c)2003 The Gale Group
File	180:Federal Register	1985-2003/Sep 15 (c) 2003 format only The DIALOG Corp
File	479:Gale Group Company Intelligence(R)	2003/Sep 15 (c) 2003 The Gale Group
File	484:Periodical Abs Plustext	1986-2003/Sep W1 (c) 2003 ProQuest
File	551:TFSD Worldwide M&A	1980-2003/Aug 20 (c) 2003 Thomson Fin Sec Data
File	610:Business Wire	1999-2003/Sep 15 (c) 2003 Business Wire.
File	619:Asia Intelligence Wire	1995-2003/Sep 14 (c) 2003 Fin. Times Ltd
File	620:EIU:Viewswire	2003/Sep 14 (c) 2003 Economist Intelligence Unit
File	621:Gale Group New Prod.Annou.(R)	1985-2003/Sep 15 (c) 2003 The Gale Group
File	622:EIU Magazines	2000-2003/Sep 11 (c) 2003 EIU Magazines
File	629:EIU:BUS. Newsletters	2003/Sep W1 (c) 2003 Economist Intelligence Unit
File	635:Business Dateline(R)	1985-2003/Sep 15 (c) 2003 ProQuest Info&Learning
File	636:Gale Group Newsletter DB(TM)	1987-2003/Sep 12 (c) 2003 The Gale Group
File	637:Journal of Commerce	1986-2003/Sep 15 (c) 2003 Commonwealth Bus. Media
File	649:Gale Group Newswire ASAP(TM)	2003/Sep 11 (c) 2003 The Gale Group
File	992:NewsRoom	2003/Jan-May (c) 2003 The Dialog Corporation
File	993:NewsRoom	2002/ (c) 2003 The Dialog Corporation
File	994:NewsRoom	2001 (c) 2003 The Dialog Corporation

Your SELECT statement is:

s (electronic(3n)(shipping or shipment)(3n)abstract? ?) not py>2000

Items	File
-----	-----
Examined 50 files	
Examined 100 files	
Examined 150 files	
Examined 200 files	

1	323: RAPRA Rubber & Plastics_1972-2004/Jul
---	--

Examined 250 files	
Examined 300 files	
Examined 350 files	
Examined 400 files	
Examined 450 files	
Examined 500 files	
Examined 550 files	

Processing

1 file has one or more items; file list includes 559 files.

One or more terms were invalid in 102 files.

Your SELECT statement is:
s (uniglobal())logistics)

Items	File
----	----
3	9: Business & Industry(R)_Jul/1994-2004/Jul 13
1	13: BAMP_2004/Jun W4
4	15: ABI/Inform(R)_1971-2004/Jun 27
7	16: Gale Group PROMT(R)_1990-2004/Jul 09
1	20: Dialog Global Reporter_1997-2004/Jul 14
Examined 50 files	
Examined 100 files	
8	148: Gale Group Trade & Industry DB_1976-2004/Jul 09
2	180: Federal Register_1985-2004/Jul 14
1	211: Gale Group Newsearch(TM)_2004/Jul 12
Examined 150 files	
Examined 200 files	
Examined 250 files	
3	416: DIALOG COMPANY NAME FINDER(TM)_2004/May
Examined 300 files	
Examined 350 files	
Examined 400 files	
2	610: Business Wire_1999-2004/Jul 14
2	621: Gale Group New Prod. Annou.(R)_1985-2004/Jul 08
5	622: EIU Magazines_2000-2004/Mar 20
2	635: Business Dateline(R)_1985-2004/Jul 13
5	637: Journal of Commerce_1986-2004/Jul 14
2	649: Gale Group Newswire ASAP(TM)_2004/Jul 12
Examined 450 files	
Examined 500 files	
Examined 550 files	
1	991: NewsRoom 2004 Jan 1-2004/Mar 31
12	992: NewsRoom 2003

17 files have one or more items; file list includes 559 files.

Set	Items	Description
S1	61	(UNIGLOBAL()) LOGISTICS)
S2	29	RD (unique items)
S3	4	S2 NOT PY>2000
S4	0	S2 AND PY=2001
S5	0	S2 AND PY=2001
S6	0	S2 AND PY=2002
S7	25	S2 NOT S3 <i>-kurz</i>
File	9:Business & Industry(R)	Jul/1994-2004/Jul 13
	(c) 2004	The Gale Group
File	13:BAMP 2004/Jun W4	
	(c) 2004	The Gale Group
File	15:ABI/Inform(R)	1971-2004/Jun 27
	(c) 2004	ProQuest Info&Learning
File	16:Gale Group PROMT(R)	1990-2004/Jul 09
	(c) 2004	The Gale Group
File	20:Dialog Global Reporter	1997-2004/Jul 14
	(c) 2004	The Dialog Corp.
File	148:Gale Group Trade & Industry DB	1976-2004/Jul 09
	(c) 2004	The Gale Group
File	180:Federal Register	1985-2004/Jul 14
	(c) 2004	format only The DIALOG Corp
File	211:Gale Group Newsearch(TM)	2004/Jul 12
	(c) 2004	The Gale Group
File	416:DIALOG COMPANY NAME FINDER(TM)	2004/May
	(c) 2004	DIALOG INFO.SVCS.
File	610:Business Wire	1999-2004/Jul 14
	(c) 2004	Business Wire.
File	621:Gale Group New Prod. Annou. (R)	1985-2004/Jul 08
	(c) 2004	The Gale Group
File	622:EIU Magazines	2000-2004/Mar 20
	(c) 2004	EIU Magazines
File	635:Business Dateline(R)	1985-2004/Jul 13
	(c) 2004	ProQuest Info&Learning
File	637:Journal of Commerce	1986-2004/Jul 14
	(c) 2004	Commonwealth Bus. Media
File	649:Gale Group Newswire ASAP(TM)	2004/Jul 12
	(c) 2004	The Gale Group
File	991:NewsRoom	2004 Jan 1-2004/Mar 31
	(c) 2004	The Dialog Corporation
File	992:NewsRoom	2003
	(c) 2004	The Dialog Corporation

Set	Items	Description
S1	7	SHIPMENT??? (5N) STATUS (5N) (CARRIER?? OR VENDOR?? OR SUP- PLIER??) (5N) TRANSPORT
S2	1328	SHIP? (3N) TRANSPORT? (3N) (PURCHAS??? OR ORDER???)
S3	7	S1
S4	3	RD (unique items)
S5	5	GLENN (2N) RIGGS
S6	0	KIVELA (2N) JOHN
S7	565	ROBERT (2N) ROCKY
S8	0	STANLEY (2N) BAINOR
S9	0	RALPH (2N) BRECHETER
S10	576	DOUGLAS (2N) CLARK
S11	5492	JAMES (2N) CLARK
S12	0	JON (2N) CLOW
S13	5	AMY (2N) DALEY
S14	10	LARRY (2N) REDDING
S15	1	LOUIS (2N) INDELICATO
S16	1	WILLIAM (2N) LOHAN
S17	144	MICHAEL (2N) NAUGHTON
S18	1866	PETER (2N) NELSON
S19	0	ALAN (2N) SHOLLENBERGER
S20	0	NADINE (2N) WILLETT
S21	2271	DOUG (2N) JOHNSON
S22	55	DONALD (2N) MUELLER
S23	106	MICHAEL (2N) MICHAUD
S24	0	JOSEPH (2N) BAINOR

Your SELECT statement is:

s ((data()warehouse?) (5n) (transport? or logistic? or shipment?)) NOT
py>2000

Dialog
8/12/04

td041

Items	File
4	2: INSPEC_1969-2004/Aug W1
7	6: NTIS_1964-2004/Aug W2
5	8: Ei Compendex(R)_1970-2004/Aug W1
20	9: Business & Industry(R)_Jul/1994-2004/Aug 11
15	13: BAMP_2004/Aug W1
42	15: ABI/Inform(R)_1971-2004/Aug 12
103	16: Gale Group PROMT(R)_1990-2004/Aug 12
1	18: Gale Group F&S Index(R)_1988-2004/Aug 12
67	20: Dialog Global Reporter_1997-2004/Aug 12
4	34: SciSearch(R) Cited Ref Sci_1990-2004/Aug W2
12	47: Gale Group Magazine DB(TM)_1959-2004/Aug 12
8	63: Transport Res(TRIS)_1970-2004/Jul
1	65: Inside Conferences_1993-2004/Aug W2
3	75: TGG Management Contents(R)_86-2004/Aug W1
Examined 50 files	
4	88: Gale Group Business A.R.T.S._1976-2004/Aug 11
1	95: TEME-Technology & Management_1989-2004/Jun W1
1	99: Wilson Appl. Sci & Tech Abs_1983-2004/Jul
2	111: TGG Natl.Newspaper Index(SM)_1979-2004/Aug 10
Examined 100 files	
3	144: Pascal_1973-2004/Aug W1
108	148: Gale Group Trade & Industry DB_1976-2004/Aug 12
1	149: TGG Health&Wellness DB(SM)_1976-2004/Jul W4
1	194: FBODaily_1982/Dec-2004/May
Examined 150 files	
1	249: PIRA Mgt. & Mktg. Abs._1976-2004Aug W2
1	256: TecInfoSource_82-2004/Jul
3	262: CBCA Fulltext_1982-2004/May
30	275: Gale Group Computer DB(TM)_1983-2004/Aug 12
Examined 200 files	
1	340: CLAIMS(R)/US Patent_1950-04/Aug 10
>>>File 349 processing for TRANSPORT? stopped at TRANSPORTINOR	
1	349: PCT FULLTEXT_1979-2002/UB=20040805,UT=20040729
1	388: PEDS: Defense Program Summaries_1999/May
Examined 250 files	
>>>File 416: Prefix "PY" is undefined	
2	416: DIALOG COMPANY NAME FINDER(TM)_2004/May
1	440: Current Contents Search(R)_1990-2004/Aug 12
Examined 300 files	
14	484: Periodical Abs Plustext_1986-2004/Aug W1
3	485: Accounting & Tax DB_1971-2004/Jul W3
Examined 350 files	
2	541: SEC Online(TM) Annual Repts_1997/Sep W3
1	543: SEC Online(TM) 10-Q Reports_1997/Sep W3
13	545: Investext(R)_1982-2004/Aug 12
20	553: Wilson Bus. Abs. FullText_1982-2004/Jul
1	559: CORPTECH Dir of Tech Companies_2000/Aug
1	570: Gale Group MARS(R)_1984-2004/Aug 12
Examined 400 files	
5	608: KR/T Bus.News._1992-2004/Aug 12
19	610: Business Wire_1999-2004/Aug 12
17	613: PR Newswire_1999-2004/Aug 12
1	616: Canada NewsWire_1999-2001/Mar 09
8	619: Asia Intelligence Wire_1995-2004/Aug 11
1	620: EIU:Viewswire_2004/Aug 09
57	621: Gale Group New Prod.Annou.(R)_1985-2004/Aug 12
1	624: McGraw-Hill Publications_1985-2004/Aug 11
1	625: American Banker Publications_1981-2004/Aug 12
5	635: Business Dateline(R)_1985-2004/Aug 12
40	636: Gale Group Newsletter DB(TM)_1987-2004/Aug 12
7	637: Journal of Commerce_1986-2004/Aug 10
11	647: CMP Computer Fulltext_1988-2004/Aug W1
2	648: TV and Radio Transcripts_1997-2004/Aug W2

69 649: Gale Group Newswire ASAP(TM)_2004/Aug 09
Processing

1 654: US Pat.Full._1976-2004/Aug 10
Examined 450 files
10 674: Computer News Fulltext_1989-2004/Jul W4
3 728: Asia/Pac News_1994-2004/Aug W2
1 734: Dayton Daily News_Oct 1990- 2004/Aug 09
Examined 500 files
1 748: Asia/Pac Bus. Jrnls_1994-2004/Aug 05
1 755: New Zealand Newspapers_1995-2004/Aug 12
2 761: Datamonitor Market Res._1992-2004/Aug
1 764: BCC Market Research_1989-2004/Jul
2 767: Frost & Sullivan Market Eng_2004/Aug
2 781: ProQuest Newsstand_1998-2004/Aug 12
22 810: Business Wire_1986-1999/Feb 28
36 813: PR Newswire_1987-1999/Apr 30
1 861: UPI News_1996-1999/May 27

Examined 550 files
Processing
20 995: NewsRoom 2000

68 files have one or more items; file list includes 559 files.
One or more terms were invalid in 105 files.

Set	Items	Description
S1	770	((DATA() WAREHOUSE?) (5N) (TRANSPORT? OR LOGISTIC? OR SHIPMENT- ?)) NOT PY>2000
S2	350	RD (unique items)
S3	138	S2 AND (SHIPPER? OR CARRIER? OR SHIPMENT?)
S4	8	S3 AND REPORT? AND RELATIONAL() DATABASE? ? <i>—kuc</i>
File	2:INSPEC	1969-2004/Aug W1 (c) 2004 Institution of Electrical Engineers
File	6:NTIS	1964-2004/Aug W2 (c) 2004 NTIS, Intl Cpyrght All Rights Res
File	8:EI Compendex(R)	1970-2004/Aug W1 (c) 2004 Elsevier Eng. Info. Inc.
File	9:Business & Industry(R)	Jul/1994-2004/Aug 11 (c) 2004 The Gale Group
File	13:BAMP	2004/Aug W1 (c) 2004 The Gale Group
File	15:ABI/Inform(R)	1971-2004/Aug 12 (c) 2004 ProQuest Info&Learning
File	16:Gale Group PROMT(R)	1990-2004/Aug 12 (c) 2004 The Gale Group
File	18:Gale Group F&S Index(R)	1988-2004/Aug 12 (c) 2004 The Gale Group
File	20:Dialog Global Reporter	1997-2004/Aug 12 (c) 2004 The Dialog Corp.
File	34:SciSearch(R) Cited Ref Sci	1990-2004/Aug W2 (c) 2004 Inst for Sci Info
File	47:Gale Group Magazine DB(TM)	1959-2004/Aug 12 (c) 2004 The Gale group
File	63:Transport Res(TRIS)	1970-2004/Jul (c) fmt only 2004 Dialog Corp.
File	65:Inside Conferences	1993-2004/Aug W2 (c) 2004 BLDSC all rts. reserv.
File	75:TGG Management Contents(R)	86-2004/Aug W1 (c) 2004 The Gale Group
File	88:Gale Group Business A.R.T.S.	1976-2004/Aug 11 (c) 2004 The Gale Group
File	95:TEME-Technology & Management	1989-2004/Jun W1 (c) 2004 FIZ TECHNIK
File	99:Wilson Appl. Sci & Tech Abs	1983-2004/Jul (c) 2004 The HW Wilson Co.
File	111:TGG Natl. Newspaper Index(SM)	1979-2004/Aug 10 (c) 2004 The Gale Group
File	144:Pascal	1973-2004/Aug W1 (c) 2004 INIST/CNRS
File	148:Gale Group Trade & Industry DB	1976-2004/Aug 12 (c) 2004 The Gale Group
File	149:TGG Health&Wellness DB(SM)	1976-2004/Jul W4 (c) 2004 The Gale Group
File	194:FBODaily	1982/Dec-2004/May (c) format only 2004 The Dialog Corp.
File	249:PIRA Mgt. & Mktg. Abs.	1976-2004/Aug W2 (c) 2004 Pira International
File	256:TecInfoSource	82-2004/Jul (c) 2004 Info.Sources Inc
File	262:CBCA Fulltext	1982-2004/May (c) 2004 Micromedia Ltd.
File	275:Gale Group Computer DB(TM)	1983-2004/Aug 12 (c) 2004 The Gale Group
File	340:CLAIMS(R)/US Patent	1950-04/Aug 10 (c) 2004 IFI/CLAIMS(R)
File	349:PCT FULLTEXT	1979-2002/UB=20040805,UT=20040729 (c) 2004 WIPO/Univentio
File	388:PEDS: Defense Program Summaries	1999/May (c) 1999 Forecast Intl/DMS
File	416:DIALOG COMPANY NAME FINDER(TM)	2004/May (c) 2004 DIALOG INFO.SVCS.
File	440:Current Contents Search(R)	1990-2004/Aug 12 (c) 2004 Inst for Sci Info
File	484:Periodical Abs Plustext	1986-2004/Aug W1

(c) 2004 ProQuest
 File 485:Accounting & Tax DB 1971-2004/Jul W3
 (c) 2004 ProQuest Info&Learning
 File 541:SEC Online(TM) Annual Repts 1997/Sep W3
 (c) 1987-1997 SEC Online Inc.
 File 543:SEC Online(TM) 10-Q Reports 1997/Sep W3
 (c) 1987-1997 SEC Online Inc.
 File 545:Investext(R) 1982-2004/Aug 12
 (c) 2004 Thomson Financial Networks
 File 553:Wilson Bus. Abs. FullText 1982-2004/Jul
 (c) 2004 The HW Wilson Co
 File 559:CORPTECH Dir of Tech Companies 2000/Aug
 (c) 2000 CorpTech.
 File 570:Gale Group MARS(R) 1984-2004/Aug 12
 (c) 2004 The Gale Group
 File 608:KR/T Bus.News. 1992-2004/Aug 12
 (c)2004 Knight Ridder/Tribune Bus News
 File 610:Business Wire 1999-2004/Aug 12
 (c) 2004 Business Wire.
 File 613:PR Newswire 1999-2004/Aug 12
 (c) 2004 PR Newswire Association Inc
 File 616:Canada NewsWire 1999-2001/Mar 09
 (c) 2001 Canada NewsWire
 File 619:Asia Intelligence Wire 1995-2004/Aug 11
 (c) 2004 Fin. Times Ltd
 File 620:EIU:Viewswire 2004/Aug 09
 (c) 2004 Economist Intelligence Unit
 File 621:Gale Group New Prod.Annou.(R) 1985-2004/Aug 12
 (c) 2004 The Gale Group
 File 624:McGraw-Hill Publications 1985-2004/Aug 11
 (c) 2004 McGraw-Hill Co. Inc
 File 625:American Banker Publications 1981-2004/Aug 12
 (c) 2004 American Banker
 File 635:Business Dateline(R) 1985-2004/Aug 12
 (c) 2004 ProQuest Info&Learning
 File 636:Gale Group Newsletter DB(TM) 1987-2004/Aug 12
 (c) 2004 The Gale Group
 File 637:Journal of Commerce 1986-2004/Aug 10
 (c) 2004 Commonwealth Bus. Media
 File 647:CMP Computer Fulltext 1988-2004/Aug W1
 (c) 2004 CMP Media, LLC
 File 648:TV and Radio Transcripts 1997-2004/Aug W2
 (c) 2004 FDCH Inc.
 File 649:Gale Group Newswire ASAP(TM) 2004/Aug 09
 (c) 2004 The Gale Group
 File 654:US Pat.Full. 1976-2004/Aug 10
 (c) Format only 2004 The Dialog Corp.
 File 674:Computer News Fulltext 1989-2004/Jul W4
 (c) 2004 IDG Communications
 File 728:Asia/Pac News 1994-2004/Aug W2
 (c) 2004 Dialog Corporation
 File 734:Dayton Daily News Oct 1990- 2004/Aug 09
 (c) 2004 Dayton Daily News
 File 748:Asia/Pac Bus. Jrnls 1994-2004/Aug 05
 (c) 2004 The Dialog Corporation
 File 755:New Zealand Newspapers 1995-2004/Aug 12
 (c) Fairfax New Zealand Ltd.

Set	Items	Description
S1	86	((DATA() WAREHOUS?) (5N) (TRANSPORT? OR LOGISTIC? OR SHIPMENT- ?)) NOT PY>2000
S2	83	RD (unique items)
S3	31	S2 AND (SHIPPER? OR CARRIER? OR SHIPMENT?)
S4	1	S3 AND REPORT? AND RELATIONAL() DATABASE? ?

File 761:Datamonitor Market Res. 1992-2004/Aug
(c) 2004 Datamonitor

File 764:BCC Market Research 1989-2004/Jul
(c) 2004 Business Communication Co.

File 767:Frost & Sullivan Market Eng 2004/Aug
(c) 2004 Frost & Sullivan Inc.

File 781:ProQuest Newsstand 1998-2004/Aug 12
(c) 2004 ProQuest Info&Learning

File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

File 861:UPI News 1996-1999/May 27
(c) 1999 United Press International

File 995:NewsRoom 2000
(c) 2004 The Dialog Corporation

unit

Your SELECT statement is:

s ((third()party()logistics) and ((rout? or schedul?)(3n)(carriers or shippers))) NOT py>2000

Items	File
-----	-----
8	9: Business & Industry(R)_Jul/1994-2004/Aug 11
19	13: BAMP_2004/Aug W1
31	15: ABI/Inform(R)_1971-2004/Aug 12
21	16: Gale Group PROMT(R)_1990-2004/Aug 12
6	20: Dialog Global Reporter_1997-2004/Aug 12
5	47: Gale Group Magazine DB(TM)_1959-2004/Aug 12
2	75: TGG Management Contents(R)_86-2004/Aug W1
Examined 50 files	
Examined 100 files	
45	148: Gale Group Trade & Industry DB_1976-2004/Aug 12
Examined 150 files	
2	262: CBCA Fulltext_1982-2004/May
1	264: DIALOG Defense Newsletters_1989-2004/Aug 11
Examined 200 files	
Examined 250 files	
Examined 300 files	
4	484: Periodical Abs Plustext_1986-2004/Aug W1
1	485: Accounting & Tax DB_1971-2004/Jul W3
Examined 350 files	
2	545: Investext(R)_1982-2004/Aug 12
19	553: Wilson Bus. Abs. FullText_1982-2004/Jul
Examined 400 files	
7	608: KR/T Bus.News._1992-2004/Aug 12
6	610: Business Wire_1999-2004/Aug 12
1	613: PR Newswire_1999-2004/Aug 12
2	620: EIU:Viewswire_2004/Aug 09
5	621: Gale Group New Prod.Annou.(R)_1985-2004/Aug 12
1	635: Business Dateline(R)_1985-2004/Aug 12
19	637: Journal of Commerce_1986-2004/Aug 10
6	649: Gale Group Newswire ASAP(TM)_2004/Aug 09
1	654: US Pat.Full._1976-2004/Aug 10
Examined 450 files	
Examined 500 files	
1	754: IPO Maven_1994-2000/Jul
2	810: Business Wire_1986-1999/Feb 28
2	813: PR Newswire_1987-1999/Apr 30
Examined 550 files	
1	992: NewsRoom 2003
Processing	
10	995: NewsRoom 2000

28 files have one or more items; file list includes 559 files.
One or more terms were invalid in 103 files.

Set	Items	Description
S1	95	((SUMMAR? OR ABSTRACT? OR SYNOPSIS OR SYNOPSES) (7N) (PROPOSAL? ? OR CONTRACT? ?) (4N) (TERM OR TERMS OR CONDITION? ?) (10N) - (SHIPPER? ? OR SHIPMENT? ? OR CARRIER? ?)) NOT PY>2000
S2	78	RD (unique items)
S3	49	S2 AND ((SUMMAR? OR ABSTRACT? OR SYNOPSIS) (3N) (PROPOSAL? ? OR CONTRACT? ? OR TERM OR TERMS OR CONDITION? ?))
S4	5	S3 AND ((ELECTRONIC? OR COMPUTER? OR AUTOMATE?) (3N) (SUMMAR? OR ABSTRACT?))
File	13:	BAMP 2004/Aug W1 (c) 2004 The Gale Group
File	15:	ABI/Inform(R) 1971-2004/Aug 12 (c) 2004 ProQuest Info&Learning
File	16:	Gale Group PROMT(R) 1990-2004/Aug 12 (c) 2004 The Gale Group
File	18:	Gale Group F&S Index(R) 1988-2004/Aug 12 (c) 2004 The Gale Group
File	20:	Dialog Global Reporter 1997-2004/Aug 12 (c) 2004 The Dialog Corp.
File	63:	Transport Res(TRIS) 1970-2004/Jul (c) fmt only 2004 Dialog Corp.
File	75:	TGG Management Contents(R) 86-2004/Aug W1 (c) 2004 The Gale Group
File	92:	IHS Intl.Stds.& Specs. 1999/Nov (c) 1999 Information Handling Services
File	120:	U.S. Copyrights 1978-2004/Aug 10 (c) format only 2004 The Dialog Corp.
File	148:	Gale Group Trade & Industry DB 1976-2004/Aug 12 (c) 2004 The Gale Group
File	180:	Federal Register 1985-2004/Aug 12 (c) 2004 format only The DIALOG Corp
File	194:	FBODaily 1982/Dec-2004/May (c) format only 2004 The Dialog Corp.
File	241:	Elec. Power DB 1972-1999Jan (c) 1999 Electric Power Research Inst.Inc
File	275:	Gale Group Computer DB(TM) 1983-2004/Aug 12 (c) 2004 The Gale Group
File	519:	D&B-Duns Finan.Records Plus(TM) 2004/Jun (c) 2004 Dun & Bradstreet
File	542:	SEC Online(TM) 10-K Reports 1997/Sep W3 (c) 1987-1997 SEC Online Inc.
File	544:	SEC Online(TM) Proxy Repts 1997/Sep W3 (c) 1987-1997 SEC Online Inc.
File	545:	Investext(R) 1982-2004/Aug 12 (c) 2004 Thomson Financial Networks
File	553:	Wilson Bus. Abs. FullText 1982-2004/Jul (c) 2004 The HW Wilson Co
File	608:	KR/T Bus.News. 1992-2004/Aug 12 (c) 2004 Knight Ridder/Tribune Bus News
File	619:	Asia Intelligence Wire 1995-2004/Aug 11 (c) 2004 Fin. Times Ltd
File	620:	EIU:Viewswire 2004/Aug 09 (c) 2004 Economist Intelligence Unit
File	636:	Gale Group Newsletter DB(TM) 1987-2004/Aug 12 (c) 2004 The Gale Group
File	637:	Journal of Commerce 1986-2004/Aug 10 (c) 2004 Commonwealth Bus. Media
File	674:	Computer News Fulltext 1989-2004/Jul W4 (c) 2004 IDG Communications
File	696:	DIALOG Telecom. Newsletters 1995-2004/Aug 11 (c) 2004 The Dialog Corp.

kwil

Set	Items	Description
S1	230	((THIRD()PARTY()LOGISTICS) AND ((ROUT? OR SCHEDUL?) (3N) (CARRIERS OR SHIPPERS))) NOT PY>2000
S2	138	RD (unique items)
S3	22	S2 AND ((VARIOUS OR MULTIPLE OR CONSECUTIVE?) (4N) (CARRIERS OR SHIPPERS))
File	9:	Business & Industry(R) Jul/1994-2004/Aug 11 (c) 2004 The Gale Group
File	13:	BAMP 2004/Aug W1 (c) 2004 The Gale Group
File	15:	ABI/Inform(R) 1971-2004/Aug 12 (c) 2004 ProQuest Info&Learning
File	16:	Gale Group PROMT(R) 1990-2004/Aug 12 (c) 2004 The Gale Group
File	20:	Dialog Global Reporter 1997-2004/Aug 12 (c) 2004 The Dialog Corp.
File	47:	Gale Group Magazine DB(TM) 1959-2004/Aug 12 (c) 2004 The Gale group
File	75:	TGG Management Contents(R) 86-2004/Aug W1 (c) 2004 The Gale Group
File	148:	Gale Group Trade & Industry DB 1976-2004/Aug 12 (c)2004 The Gale Group
File	262:	CBCA Fulltext 1982-2004/May (c) 2004 Micromedia Ltd.
File	264:	DIALOG Defense Newsletters 1989-2004/Aug 11 (c) 2004 The Dialog Corp.
File	484:	Periodical Abs Plustext 1986-2004/Aug W1 (c) 2004 ProQuest
File	485:	Accounting & Tax DB 1971-2004/Jul W3 (c) 2004 ProQuest Info&Learning
File	545:	Investext(R) 1982-2004/Aug 12 (c) 2004 Thomson Financial Networks
File	553:	Wilson Bus. Abs. FullText 1982-2004/Jul (c) 2004 The HW Wilson Co
File	608:	KR/T Bus.News. 1992-2004/Aug 12 (c)2004 Knight Ridder/Tribune Bus News
File	610:	Business Wire 1999-2004/Aug 12 (c) 2004 Business Wire.
File	613:	PR Newswire 1999-2004/Aug 12 (c) 2004 PR Newswire Association Inc
File	620:	EIU:Viewswire 2004/Aug 09 (c) 2004 Economist Intelligence Unit
File	621:	Gale Group New Prod.Annou.(R) 1985-2004/Aug 12 (c) 2004 The Gale Group
File	635:	Business Dateline(R) 1985-2004/Aug 12 (c) 2004 ProQuest Info&Learning
File	637:	Journal of Commerce 1986-2004/Aug 10 (c) 2004 Commonwealth Bus. Media
File	649:	Gale Group Newswire ASAP(TM) 2004/Aug 09 (c) 2004 The Gale Group
File	654:	US Pat.Full. 1976-2004/Aug 10 (c) Format only 2004 The Dialog Corp.
File	754:	IPO Maven 1994-2000/Jul (c) 2000 OTIVA, Inc.
File	810:	Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire
File	813:	PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
File	992:	NewsRoom 2003 (c) 2004 The Dialog Corporation
File	995:	NewsRoom 2000 (c) 2004 The Dialog Corporation

WMC

Your SELECT statement is:

s (loadmatch and (intermodal or webmodal)) not py>2000

Items	File
2	15: ABI/Inform(R)_1971-2004/Aug 12
2	16: Gale Group PROMT(R)_1990-2004/Aug 12
Examined 50 files	
Examined 100 files	
Examined 150 files	
Examined 200 files	
Examined 250 files	
Examined 300 files	
Examined 350 files	
1	545: Investext(R)_1982-2004/Aug 12
2	553: Wilson Bus. Abs. FullText_1982-2004/Jul
Examined 400 files	
2	620: EIU:Viewswire_2004/Aug 09
5	637: Journal of Commerce_1986-2004/Aug 10
Examined 450 files	
Examined 500 files	
Examined 550 files	

Processing

3 995: NewsRoom 2000

7 files have one or more items; file list includes 559 files.
One or more terms were invalid in 101 files.

Set	Items	Description
S1	473	(SHIPCHEM.COM OR SHIPCHEM()COM) NOT PY>2000
S2	211	RD (unique items)
S3	0	S2 AND (RELATIONAL()DATABASE OR OLAP)
S4	2	S2 AND RELATIONAL
S5	2	S2 AND (SHIPCHEM?(10N)DATABASE? ?)
S6	47	S2 AND PD<20000728
S7	8	S2 AND XML <i>— VMLC</i>
File	9:Business & Industry(R)	Jul/1994-2004/Jul 19 (c) 2004 The Gale Group
File	13:BAMP	2004/Jul W2 (c) 2004 The Gale Group
File	15:ABI/Inform(R)	1971-2004/Jul 20 (c) 2004 ProQuest Info&Learning
File	16:Gale Group PROMT(R)	1990-2004/Jul 20 (c) 2004 The Gale Group
File	18:Gale Group F&S Index(R)	1988-2004/Jul 15 (c) 2004 The Gale Group
File	19:Chem.Industry Notes	1974-2004/ISS 200428 (c) 2004 Amer.Chem.Soc.
File	20:Dialog Global Reporter	1997-2004/Jul 20 (c) 2004 The Dialog Corp.
File	34:SciSearch(R) Cited Ref Sci	1990-2004/Jul W2 (c) 2004 Inst for Sci Info
File	63:Transport Res(TRIS)	1970-2004/Jun (c) fmt only 2004 Dialog Corp.
File	111:TGG Natl.Newspaper Index(SM)	1979-2004/Jul 19 (c) 2004 The Gale Group
File	148:Gale Group Trade & Industry DB	1976-2004/Jul 20 (c)2004 The Gale Group
File	226:TRADEMARKSCAN(R)-US Fed OG	040713/AP 040715 (c) 2004 Thomson & Thomson
File	275:Gale Group Computer DB(TM)	1983-2004/Jul 20 (c) 2004 The Gale Group
File	319:Chem Bus NewsBase	1984-2004/Jul 20 (c) 2004 Elsevier Eng. Info. Inc.
File	416:DIALOG COMPANY NAME FINDER(TM)	2004/May (c) 2004 DIALOG INFO.SVCS.
File	420:UnCover	1988-2001/May 31 (c) 2001 The UnCover Company
File	519:D&B-Duns Finan.Records Plus(TM)	2004/Jun (c) 2004 Dun & Bradstreet
File	545:Investext(R)	1982-2004/Jul 20 (c) 2004 Thomson Financial Networks
File	547:Experian Business Credit Profiles	2004/Jul W3 (c) 2004 Experian
File	553:Wilson Bus. Abs. FullText	1982-2004/Jun (c) 2004 The HW Wilson Co
File	554:TFSD J V & Alliances	1990-2004/Jul 20 (c) 2004 Thomson Fin Sec Data
File	570:Gale Group MARS(R)	1984-2004/Jul 20 (c) 2004 The Gale Group
File	583:Gale Group Globalbase(TM)	1986-2002/Dec 13 (c) 2002 The Gale Group
File	608:KR/T Bus.News.	1992-2004/Jul 20 (c)2004 Knight Ridder/Tribune Bus News
File	609:Bridge World Markets	2000-2001/Oct 01 (c) 2001 Bridge
File	610:Business Wire	1999-2004/Jul 20 (c) 2004 Business Wire.
File	613:PR Newswire	1999-2004/Jul 20 (c) 2004 PR Newswire Association Inc
File	619:Asia Intelligence Wire	1995-2004/Jul 19 (c) 2004 Fin. Times Ltd
File	620:EIU:Viewswire	2004/Jul 19 (c) 2004 Economist Intelligence Unit
File	621:Gale Group New Prod.Annou.(R)	1985-2004/Jul 20 (c) 2004 The Gale Group
File	623:Business Week	1985-2004/Jul 14

(c) 2004 The McGraw-Hill Companies Inc
File 624:McGraw-Hill Publications 1985-2004/Jul 15
(c) 2004 McGraw-Hill Co. Inc
File 635:Business Dateline(R) 1985-2004/Jul 20
(c) 2004 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2004/Jul 20
(c) 2004 The Gale Group
File 637:Journal of Commerce 1986-2004/Jul 21
(c) 2004 Commonwealth Bus. Media
File 647:CMP Computer Fulltext 1988-2004/Jul W2
(c) 2004 CMP Media, LLC
File 649:Gale Group Newswire ASAP(TM) 2004/Jul 16
(c) 2004 The Gale Group
File 674:Computer News Fulltext 1989-2004/Jun W4
(c) 2004 IDG Communications
File 713:Atlanta J/Const. 1989-2004/Jul 15
(c) 2004 Atlanta Newspapers
File 995:NewsRoom 2000
(c) 2004 The Dialog Corporation

Your SELECT statement is:

s ((summar? or abstract? or synopsis or synopses) (7n) (proposal? ? or contract? ?) (4n) (term or terms or condition? ?) (10n) (shipper? ? or shipment? ? or carrier? ?)) NOT py>2000

Items	File
1	13: BAMP 2004/Aug W1
4	15: ABI/Inform(R)_1971-2004/Aug 12
6	16: Gale Group PROMT(R)_1990-2004/Aug 12
1	18: Gale Group F&S Index(R)_1988-2004/Aug 12
1	20: Dialog Global Reporter_1997-2004/Aug 12
1	63: Transport Res(TRIS)_1970-2004/Jul
1	75: TGG Management Contents(R)_86-2004/Aug W1
Examined 50 files	
1	92: IHS Intl.Stds.& Specs._1999/Nov
>>>File 120: Prefix "PY" is undefined	
1	120: U.S. Copyrights_1978-2004/Aug 10
Examined 100 files	
10	148: Gale Group Trade & Industry DB_1976-2004/Aug 12
26	180: Federal Register_1985-2004/Aug 12
1	194: FBODaily_1982/Dec-2004/May
Examined 150 files	
1	241: Elec. Power DB_1972-1999Jan
1	275: Gale Group Computer DB(TM)_1983-2004/Aug 12
Examined 200 files	
Examined 250 files	
Examined 300 files	
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Examined 350 files	
2	542: SEC Online(TM) 10-K Reports_1997/Sep W3
1	544: SEC Online(TM) Proxy Repts_1997/Sep W3
19	545: Investext(R)_1982-2004/Aug 12
2	553: Wilson Bus. Abs. FullText_1982-2004/Jul
Examined 400 files	
1	608: KR/T Bus.News._1992-2004/Aug 12
1	619: Asia Intelligence Wire_1995-2004/Aug 11
1	620: EIU:Viewswire_2004/Aug 09
1	636: Gale Group Newsletter DB(TM)_1987-2004/Aug 12
6	637: Journal of Commerce_1986-2004/Aug 10
Examined 450 files	
1	674: Computer News Fulltext_1989-2004/Jul W4
2	696: DIALOG Telecom. Newsletters_1995-2004/Aug 11
Examined 500 files	
Examined 550 files	

Processing

26 files have one or more items; file list includes 559 files.
One or more terms were invalid in 102 files.

Your SELECT statement is:
s (shipchem.com or shipchem()com) not py>2000

Items	File
22	9: Business & Industry(R)_Jul/1994-2004/Jul 19
10	13: BAMP_2004/Jul W2
17	15: ABI/Inform(R)_1971-2004/Jul 19
61	16: Gale Group PROMT(R)_1990-2004/Jul 20
7	18: Gale Group F&S Index(R)_1988-2004/Jul 15
2	19: Chem.Industry Notes_1974-2004/ISS 200428
35	20: Dialog Global Reporter_1997-2004/Jul 20
1	34: SciSearch(R) Cited Ref Sci_1990-2004/Jul W2
1	63: Transport Res(TRIS)_1970-2004/Jun
Examined 50 files	
11	111: TGG Natl.Newspaper Index(SM)_1979-2004/Jul 19
Examined 100 files	
52	148: Gale Group Trade & Industry DB_1976-2004/Jul 20
Examined 150 files	
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1	226: TRADEMARKSCAN(R)-US Fed_OG 040713/AP 040715
6	275: Gale Group Computer DB(TM)_1983-2004/Jul 20
Examined 200 files	
9	319: Chem Bus NewsBase_1984-2004/Jul 20
Examined 250 files	
>>>File 416: Prefix "PY" is undefined	
23	416: DIALOG COMPANY NAME FINDER(TM)_2004/May
1	420: UnCover_1988-2001/May 31
Examined 300 files	
>>>File 519: Prefix "PY" is undefined	
1	519: D&B-Duns Finan.Records Plus(TM)_2004/Jun
Examined 350 files	
4	545: Investext(R)_1982-2004/Jul 20
>>>File 547: Prefix "PY" is undefined	
1	547: Experian Business Credit Profiles 2004/Jul W3
16	553: Wilson Bus. Abs. FullText_1982-2004/Jun
1	554: TFSD J V & Alliances_1990-2004/Jul 20
4	570: Gale Group MARS(R)_1984-2004/Jul 20
1	583: Gale Group Globalbase(TM)_1986-2002/Dec 13
Examined 400 files	
1	608: KR/T Bus.News._1992-2004/Jul 20
2	609: Bridge World Markets_2000-2001/Oct 01
13	610: Business Wire_1999-2004/Jul 20
7	613: PR Newswire_1999-2004/Jul 20
8	619: Asia Intelligence Wire_1995-2004/Jul 19
8	620: EIU:Viewswire_2004/Jul 19
21	621: Gale Group New Prod.Annou.(R)_1985-2004/Jul 20
1	623: Business Week_1985-2004/Jul 14
1	624: McGraw-Hill Publications_1985-2004/Jul 15
5	635: Business Dateline(R)_1985-2004/Jul 20
9	636: Gale Group Newsletter DB(TM)_1987-2004/Jul 20
12	637: Journal of Commerce_1986-2004/Jul 21
4	647: CMP Computer Fulltext_1988-2004/Jul W2
20	649: Gale Group Newswire ASAP(TM)_2004/Jul 16
Examined 450 files	
2	674: Computer News Fulltext_1989-2004/Jun W4
3	713: Atlanta J/Const._1989-2004/Jul 15
Examined 500 files	
Examined 550 files	
Processing	
69	995: NewsRoom 2000

40 files have one or more items; file list includes 559 files.
One or more terms were invalid in 101 files.

3/9/7 (Item 2 from file: 16)
DIALOG(R) File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05883547 Supplier Number: 53068262 (THIS IS THE FULLTEXT)

Atrion International Acquires CHEMTOX(R) System and Database.

PR Newswire, p7973

Oct 8, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 464

TEXT:

Acquisition Broadens Solution Footprint for CHEMMATE(R) Environmental and Regulatory Compliance Software

RESTON, Va., Oct. 8 /PRNewswire/ -- Atrion International, worldwide experts in environmental, health, safety and transportation (EHS&T) software, today announced it has acquired CHEMTOX. This includes the intellectual property rights of CHEMTOX's database and software. CHEMTOX's principals, management, and staff will become employees of Atrion.

Plans are in place to integrate the two organizations. The newly acquired CHEMTOX Division will continue to service and support CHEMTOX's existing customer base. Atrion will market the CHEMTOX Database, an electronic library of more than 10,000 regulated chemicals linked through synonym names such as Formula, CAS#, DOT ID, EPA ID, RCRA ID, etc. The integration of CHEMTOX and CHEMMATE will create a total product and service offering unparalleled in the industry and will solidify Atrion's position as the market leader in environmental, health, safety and transportation software.

"CHEMTOX is a proven provider of applications, information, and expertise," said Bruce Johnson, president, Atrion. "By incorporating our two organizations we are able to provide a more complete EHS&T solution to the global market."

CHEMMATE is a complete software solution for intelligent, enterprise EHS&T management and optimization. Capable of integration with major enterprise resource planning (ERP) systems, CHEMMATE provides compliance optimization, intelligent authoring, management and distribution of regulatory **material safety data sheets**, and regulatory reporting for hazardous materials. Using a wide range of comprehensive databases, CHEMMATE analyzes, adheres to, and maintains compliance with domestic and international laws governing health and safety, transportation and environmental regulations, allowing organizations to eliminate the costs and complexities associated with environmental and regulatory compliance.

About CHEMTOX

CHEMTOX is a division of Resource Consultants, Inc., a company with over 25 years experience in solving environmental problems of every magnitude. CHEMTOX is the industry's most comprehensive system for managing chemicals, monitoring employee health and safety and preparing environmental compliance reports. The CHEMTOX system software is modular, LAN/WAN and client/server compatible, and can serve as a stand-alone system or support multiple concurrent users.

About Atrion International

Atrion International develops, markets, and supports innovative software for regulatory compliance management. Atrion's enterprise EHS&T solutions include compliance optimization, intelligent authoring, management and distribution of material safety data sheets, and regulatory reporting of hazardous materials. Atrion, a pioneer in the EHS&T market since 1989, supports more than 400 customers worldwide, including many Fortune 500 companies.

Atrion is headquartered in Reston, Virginia with offices in Montreal, Canada and Nijmegen, The Netherlands. Atrion product and service information is located on the World Wide Web at <http://www.atrion-intl.com>.

Atrion and CHEMMATE are registered trademarks of Atrion International. CHEMTOX is a registered trademark of CHEMTOX and Resource Consultants, Inc. Other company and product names may be trademarks of the respective companies with which they are associated.

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4/9/4 (Item 1 from file: 47)
DIALOG(R) File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

05021336 SUPPLIER NUMBER: 20017307 (THIS IS THE FULL TEXT)
Union Pacific Railroad goes full steam ahead.(Special Report : Data Warehousing) (Company Operations)
Aragon, Lawrence
PC Week, v14, n49, p58(2)
Nov 24, 1997
ISSN: 0740-1604 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 994 LINE COUNT: 00079

ABSTRACT: Union Pacific Railroad's MIS department is turning to data warehousing as a solution to the problems that have beset the company following its merger with Southern Pacific Rail Corp. The **data warehousing** effort has already helped the **transportation** giant reduce **shipment** delay problems, and is projected to result in hard and soft cost savings of up to \$30 million per year. Overall, UP officials predict a 35% return on investment for the data warehousing system. The system itself costs \$5 million per year in licensing fees to NCR, which makes both the hardware and software for the data warehousing system. The user base for the system has grown rapidly from 25 users to 2,500 users, resulting in plans to expand the capacity of the system from a current level of 600GB to a projected 1.5 terabytes of data.

TEXT:

2 Talk about trial by fire: just as Union Pacific Corp.'s data warehouse is warming up, the nation's largest railroad has skidded onto icy tracks following its bungled merger with Southern Pacific Rail Corp. last year.

3 UP's management views the 4-year-old data warehouse as a key resource to find solutions for service problems that have cropped up as a result of the consolidation--in particular, complaints about delayed **shipments**. Management has responded in part by mining the warehouse for inventory statistics about cars that should be offline but aren't.

4 "They're using it to analyze where we can make the best effort to correct a situation," says Roger Bresnahan, a senior systems engineer in UP's railroad headquarters in Omaha, Neb.

5 UP may be struggling to merge operations with Southern Pacific, but its IT department has clearly proven it knows how to build a successful data warehouse. Cost savings from the project this year will total more than \$30 million--twice the savings of last year, Bresnahan says. That's \$5 million in hard costs and \$25 million in soft costs, including improved productivity among users of the warehouse and improved operations, which have lead to avoidance of high-ticket purchases such as locomotives, says Forest Grapes, senior manager of database administration for UP.

Bresnahan expects those figures to increase in the next few years.

6 The annual return on investment for the warehouse will total more than 35 percent this year, Bresnahan adds.

7 "Any ROI of 35 percent is something that people lust after," says Ken Orr of The Ken Orr Institute, a data warehouse consultancy in Topeka, Kan.

8 The cost of the warehouse includes about \$5 million a year in license fees to NCR Corp. for hardware and software, plus the cost for a staff of about 20 database administrators, engineers and general warehousing staffers.

9 UP decided to build the warehouse with the hope of improving operational efficiencies by tying together stand-alone databases holding information about operations, locomotives, accounting, accounts payable, human resources, transportation and more. Four years later, the data warehouse has grown to 600GB of raw data, with a capacity for 1.1 terabytes. Bresnahan expects UP to expand it to about 1.5 terabytes next year as new data continues to flow in, including data from Southern Pacific.

10 UP started with its accounts payable department, which was using a batch processing system running off a mainframe. IT was able to take two years' worth of data and port it into a DBC 1012 NCR parallel processor running NCR's Teradata **relational database**. Using Teradata for accounts payable now saves the company more than \$2 million a year, with savings coming from increased productivity, reduced time and lower CPU usage.

Since that project began, the user base for the warehouse has exploded

11 from fewer than 25 people to more than 2,400. Most users tap it for information on operations.

12 Not surprisingly, the warehouse is having a direct impact on UP's operations. For example, the transportation department has used it to create **reports** on locomotives that sit idle, resulting in a reduction of "dwell time" by 39 percent and saving millions of dollars.

13 In another case, UP has been able to save \$1 million a year on what are known as "cash stops." In the past, a train might drop off goods at a stop, not knowing that the customer had not paid in full. Now, using internally coded logistics software tied into the warehouse, UP is able to keep track of individual cars and tell locomotive operators not to drop off goods if a customer has not paid in advance.

14 Going forward, UP has plans for new applications, such as a "trip plan," which will allow it to track a train's route, timing and efficiency in getting from one stop to the next, Grapes says.

15 Another application in the works will track maintenance of cars and locomotives. The idea is to find patterns of problems, allowing UP to do advanced expenditure planning for new parts or trains and be proactive in replacing parts that have a higher-than-average chance of failing, Grapes says.

16 Despite the success of the warehouse, UP's IT department had to sell users on the idea initially, since most were comfortable with their stovepipe systems. IT overcame that hurdle by starting small, solving specific problems, then showing the results to other departments. It also showed an interest in the activities of departments and suggested data warehousing solutions where appropriate. "We built a foundation," Bresnahan says. "We knew we couldn't build the whole world at one time."

17 Looking toward the future, UP is running a test with select customers to give them access to the data warehouse through an extranet. For starters, customers can track prices on routes. UP hopes to expand customer usage and availability of data next year.

18 With customers climbing on board and all indicator lights showing green, UP's warehouse has plenty of room to continue to pick up steam.

19 UP's Bresnahan: A well-engineered warehouse will save \$30 million in '97.

Union Pacific Corp.

The need: To run the railroad more efficiently.

20 The solution: Link stovepipe systems into enterprisewide data warehouse. This year, UP expects to save more than \$30 million through the use of the warehouse.

21 Hardware/tools: Warehouse runs on NCR WorldMark 5100M made up of 16 nodes, with each node consisting of four 133MHz Pentiums. Storage is provided by 320 4GB NCR drives running RAID 5. Data is input into NCR's Teradata **relational database** from a variety of online transaction processing and legacy systems.

22 The status: UP has filled about 60 percent of the 1.1-terabyte warehouse. It expects to add more capacity by mid-1998.

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3/9/7 (Item 3 from file: 16)
DIALOG(R) File 16:Gale Group PROMT(R)
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07529511 Supplier Number: 63122669 (THIS IS THE FULLTEXT)
Webmodal Names Sam F. Ninness III Vice President of Business Development;
Intermodal Industry Veteran to Lead Webmodal's Strategic Business
Development Efforts.

Business Wire, p0456

July 5, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 409

TEXT:

Business Editors

WOODSTOCK, Ill.--(BUSINESS WIRE)--July 5, 2000

Webmodal(SM) Inc. (www.webmodal.com), a leading e-commerce company specializing in domestic intermodal transportation, Wednesday announced the appointment of Sam F. Ninness III as vice president of Strategic Business Development.

Ninness brings the Webmodal management team considerable expertise and long-term experience in the transportation industry.

Ninness has more than 17 years of experience in transportation marketing and business development. Most recently, Ninness was president and general manager of ConrailDirect, a multi-modal subsidiary of Consolidated Rail Corp. Prior to that, he directed the marketing and sales activities for Conrail's domestic intermodal customer base and developed innovative and highly successful transportation products. Ninness holds a Bachelor of Arts degree in Economics from Bucknell University.

On his decision to join Webmodal, Ninness noted: "Webmodal's innovative Internet technology brings together volumes of data on rates and schedules from multiple carriers, and in real-time organizes and displays the information to generate door-to-door intermodal solutions for shippers and transportation service providers. This service offers significant value to the intermodal industry, and I am excited to be part of the Webmodal organization and the talented team they have assembled."

Chris Kravas, Webmodal founder and chief executive officer, added: "Sam is a respected and trusted leader in the domestic intermodal community. His knowledge and experience will be of great value in leading our strategic business development efforts." Kravas went on to say that Ninness will initially focus his efforts on introducing Webmodal's ASP products to third - party logistics companies and other transportation service providers allowing them to access the company's proprietary online technology.

About Webmodal and its Point-Click-Ship(SM) Internet Transportation Service

Founded in July of 1999, Webmodal is a leading Internet-based transportation company that gives shippers the ability to identify, evaluate and purchase cost-effective intermodal transportation services online. With headquarters in suburban Chicago, Webmodal also maintains offices in Southlake, Texas. Webmodal is a Net Value Holdings partner company (NETV).

Webmodal recently launched its revolutionary Internet-based intermodal transportation service for full-truckload freight transport. The service -- called Point-Click-Ship(SM) -- is designed for door-to-door, intermodal (dray/rail/dray) transportation. Point-Click-Ship represents a breakthrough solution for domestic shippers and carriers, eliminating the time and complexity typically associated with finding, pricing and purchasing intermodal transportation services. For full-truckload shippers, Point-Click-Ship service offers greater convenience and lower fees, as well as more flexible transportation options.

For more information about Webmodal and its Point-Click-Ship solution, visit the company's Web site at www.webmodal.com.

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07579742 Supplier Number: 63541092 (THIS IS THE FULLTEXT)

A Perfect Match. (Brief Article)

HICKEY, KATHLEEN

Traffic World, v263, n2, p37

July 10, 2000

ISSN: 0041-073X

Language: English Record Type: Fulltext

Article Type: Brief Article

Document Type: Magazine/Journal; Trade

Word Count: 652

TEXT:

1 Internet firms Webmodal, LoadMatch are automating, simplifying intermodal services

2 The Internet and intermodal are not often mentioned in the same sentence -- but they should be. The complexities of multiple carriers handling a single freight move lends itself to the simplification of web interaction.

3 If a shipper wishes to do an intermodal move today, said Webmodal CEO Chris Kravas, an intermodal marketing company finds a transportation solution for its customer and sells that bundled solution to the shipper, pocketing the difference as the company's fee. "Those fees can be very modest and they can be pretty outlandish," said Kravas. Determining what is a fair price for an intermodal move can be difficult, he said.

4 In addition there is the time factor. Pricing "takes a fair amount of time -- half a day to three or four days. I think this is kind of a handicap in the industry. In trucking you can quote the price right there," said Kravas. And it is expensive for IMCs to put together manual proposals, which means they focus on serving larger shippers. Many smaller and midsize shippers are not aware of possible intermodal choices, he said.

5 Enter Webmodal, which brings greater transparency and speed to the transaction. Shippers and third-party logistics providers type in their transportation requirements online and can immediately view a list of move choices, including carriers, prices and schedules for each offering, and order the move online. The service was launched last month and the company has been moving test loads since June 1, said Kravas. *

6 Kravas describes the service as similar to an online airline ticket reservation system. Webmodal dispatches the order, bills the customer and schedules the drayage moves electronically. The site also has tracking and tracing capabilities. Webmodal is geared for small to midsize shippers, said Kravas.

7 The Internet company is working with railroads and drayage companies in the United States and some ocean carriers for its moves, said Kravas. The site integrates pricing information from drayage companies into its database. Some data is created, such as schedules for drayage.

8 Recently Webmodal announced Internet logistics company Nistevo Corp. will integrate Webmodal's capabilities into its website. Nistevo's customers will be able to access Webmodal's technology through Nistevo's contract management service in 30 to 60 days, said Kravas.

9 Other companies, like LoadMatch, are getting involved in the "back end" of intermodal moves. LoadMatch provides intermodal equipment matching for trucking, equipment or intermodal marketing companies, said Jason Hilsenbeck, president of the company. LoadMatch does equipment matching for moves between rail and truck.

10 LoadMatch has plans to expand its platform to automate its load matching service. Currently users manually enter data into the site, said Hilsenbeck, but he would like the site to search for and "grab" information from a database, returning matches automatically to a subscriber.

11 The automatic feature may be up as soon as this week, said Hilsenbeck, who would like to create an easy-to-use format for subscribers. LoadMatch is working with Profit Tools to create the software and is in discussions with companies for additional financing for the venture, he said.

12 Equipment supplier Xtra Intermodal, based in Liberty, Mo., will be the first company to utilize the automatic feature, said Hilsenbeck. LoadMatch customers will be able to click on a link to lead them to Xtra

Intermodal's site.

LoadMatch had not completed the project earlier because "this is kind of a high-tech format for (users). They need an easy format to use and get back information they can use. It has to be very simple," he said.

13 Companies doing the most intermodal moves are the ones with the least technologically advanced systems, said Hilsenbeck. Many of the truckers in mom-and-pop drayage companies are on a tight budget. That's why this (project) hasn't been done before. It is not as advanced as other parts of intermodal transportation," said Hilsenbeck. But with the advent of the Internet, the technology aspect "is changing quick," he added.

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3/9/1 (Item 1 from file: 9)
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2758713 Supplier Number: 02758713 (THIS IS THE FULLTEXT)
Environmental Software Incorporates Internet Capabilities
(Environmental software producers driven to integrate Web-based technologies into their environmental management solutions by demand for easier to use programs)
Chemical Market Reporter, p 17
March 27, 2000
DOCUMENT TYPE: Journal ISSN: 1092-0110 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 749

ABSTRACT:

According to a market research firm, the market for environmental management information systems (EMIS) is \$4.6 bil. This market includes professional services, software and hardware. The research firm, BTI Consulting Group (Boston, MA), has forecast that this market will increase to \$13 bil by 2003, with software representing only \$2.8 bil. Hardware will represent \$1.9 bil, while professional services will account for the remaining \$8.3 bil. Driven by demand for integrated and easier to use environmental, health and safety software programs, major environmental software producers and service providers are incorporating Web-based technologies into their environmental management solutions. For example, Essential Technologies is adding Web-enabled capabilities to its products. The company introduced Essential EH&S version 4.0 in February 2000. This product includes Web interfaces that streamline EH&S compliance. Caribou Systems has also incorporated Web technology into its offerings, with its Caribou "Active Web" product. According to Dave Campbell, senior manager at Caribou Systems, this software provides for one centralized code and user interface for a whole organization. The article provides additional information on the trend toward easier to use, integrated Web-based technologies in environment management solution software programs.

TEXT:

By Cynthia Challener Demand for comprehensive, integrated, easy-to-use environmental, health and safety software programs is leading environmental software manufacturers and service providers to incorporate Web-based technologies into their environmental management solutions.

The market for environmental management information systems (EMIS), which includes software, hardware and professional services, is \$4.2 billion, according to Roanne Neuwirth, a principal of the BTI Consulting Group, a Boston, Mass.-based market research and management consulting firm. BTI expects the total market to grow to \$13 billion by 2003, with software accounting for only \$2.8 billion. The hardware portion encompasses \$1.9 billion, and professional services accounts for the remaining \$8.3 billion.

The most significant development in EMIS software is the Internet. "Now, 15 percent of companies are using the Internet to actually perform work, not just to do research. This is very important for the future of EMIS vendors," says Ms. Neuwirth.

Overall, most environmental software companies have found that Web-enabling their products is a critical area of new product development.

"Environmental auditors need portable, self-contained resources, (and) environmental professionals want Web-enabled software for resource availability and ease of communication when tracking action items and conducting regulatory research," explains Arlene Davidson, marketing director of Dakota Software Corporation.

Web-based technology reduces IT support and the cost of ownership, allowing for less expensive access to software updates, notes James W. Morentz, chief executive officer of Essential Technologies.

Essential Technologies, along with other EMIS software vendors, is adding Web-enabled capabilities to its products. Essential Technologies released

Essential EH&S version 4.0, a new Web-enabled EH&S suite, in February. It includes "Web interfaces to streamline EH&S compliance and manage activities that enable users to leverage EH&S data enterprise-wide," says Mr. Morentz.

8 The new suite has five integrated solutions covering emissions management, hazard communication, compliance management, occupational health and safety, and contingency management.

9 Caribou Systems has incorporated Web technology in its Caribou "Active Web" product. "This software solution provides for one centralized code and user interface for the entire organization," says Dave Campbell, senior manager at Caribou Systems. A key feature is that updates are immediately available to all users through a common Web browser.

10 Caribou Systems offers four key environmental software products: Caribou EMIS, ISO-14000 gap analysis, compliance management, and HazWaste Monitor software. All are Windows-based, with an intuitive user interface and search engines. The software is modular and can be configured for an individual user or as a corporate enterprise solution.

11 Dakota Auditor and Dakota Tracer are the two key products provided by Dakota Software Corporation. Dakota Auditor is modular EH&S regulatory compliance auditing software. It works in conjunction with the Dakota Tracer software for tracking corrective actions.

12 Dakota Tracer is a new "Web-enabled application that will ensure managers at sites, divisions and corporate headquarters that findings and corrective actions are closed out on time and exposures are reduced or eliminated," says Ms. Davidson. Dakota Auditor will be Web-enabled by late this year.

13 Jordan Systems' HMM software includes HMM MSDS Manager, MSDS Viewer, hazardous material inventory and usage tracking, P-Down (detailed purchasing information) and bar code inventory tracking. MSDS Web Viewer is a new product for Jordan Systems that allows information from material safety data sheets (MSDS) to be stored in one location and viewed with a Web browser.

14 The use of Web technology reduces MSDS tracking and labor costs--since all MSDSs are up to date, accurate and in compliance--while increasing speed and uniformity, says a spokesperson for Jordan Systems.

15 Some EMIS vendors are using Web-enabled features to expand into e-commerce. Early this month, EMIS provider Chemical Safety Corporation formed a partnership with Chemdex, the e-commerce life sciences provider. The partnership allows users to access a chemical inventory management system as well as environmental compliance, MSDS and waste management information in conjunction with Chemdex's procurement function. Chemical Safety says it expects to partner with a number of additional online chemical procurement sites.

16 As with other software applications, a key trend is the integration of EMIS applications with business information systems, according to BTI. J.D. Edwards is one example of an enterprise resource planning (ERP) software vendor working to provide environmental software that will integrate with its ERP systems.

17 J.D. Edwards has formed integration partnerships with environmental software providers Atrion and Hazox, says Mark Wieber, industry marketing specialist for energy and chemicals at J.D. Edwards. Information from J.D. Edwards's ERP system feeds into the EH&S systems developed by Atrion and Hazox for the creation of material safety data sheets, hazardous materials labels, and inventory and production tracking for reporting and other EH&S functions.

Internet services: Here's a list
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A Special Report: LOGISTICS & TECHNOLOGY

TEXT:

Here are some of the Internet services that provide load-matching and rate-quotation services:

OCEAN SHIPPING

2 Celarix (www.celarix.com), Boston. Celarix Marketplace. Ocean only, although other modes are promised this year. Blind bid and auction on carrier services in real time. Booking and confirmation online, but deals finished privately between parties. Welcomes contract and spot-market business. The company offers a tie-in with its iSuite range of supply chain management software, which will track and manage shipments inbound and outbound, and even handle procurement processes. A recent injection of \$45 million in venture capital should see this company grow its services rapidly.

3 * eRrateRequest.com (www.eraterequest.com), Hoboken, N.J. Ocean only. Bids and offers on transportation received and distributed. Parties remain anonymous until deal is agreed, then completed privately between the two. A "best price" option allows shipper and carrier to communicate in real time; otherwise the site gathers the best bid over a 24-hour period. Free to shippers. Carriers pay 2.5 percent of value of bill of lading upon completion of contract. Forwarders and other intermediaries may enter amount of commission they are charging.

4 * E-Transport (www.etransport.com), Pittsburgh. Just bought by Descartes Systems Group Inc., the Waterloo, Ontario-based logistics software group. Formerly DXI Inc., one of the largest providers of services for tariff-filing that was required before the Ocean Shipping Reform Act of 1998. Doesn't call itself an online transportation auction, but offers a set of software products that together form E-Transport Marketplace. The company emphasizes its use as a way of making long-term business relationships more efficient, especially in the negotiation of complex, long-term contracts, but the facilities can be used for spot-market trading too. All parties are visible to each other throughout the transaction.

5 * GoCargo (www.gocargo.com), New York. Online Shipping Exchange. Ocean only. Shippers offer cargoes for bid by carriers in real time. In contract negotiation parties are openly identified to each other from the beginning, although carriers can't see other carriers' bids and shippers can't see other shippers' information. On spot-market negotiations, shipper can mask identity to see if he can get a better rate with a carrier he already uses. Encourages negotiation of contracts, but most traffic so far is in spot market. Deals are finished privately between parties.

OTHER OCEAN AND AIR RATE NEGOTIATING SERVICES

6 * Cargo4Less.com (www.car_go4less.com). Jamaica, N.Y. Active. Air cargo exchange, currently airport-to-airport only. Users offer specific dollar amounts for cargo reservations, and are notified in 24 hours if they were successful. Offers can also be made by e-mail. Based in Great Neck, N.Y. Service set up by Joel Barnehama, president of TAFP Inc.

7 { * Cargosphere.com (www.cargosphere.com/). Mahopac, N.Y.

Land, sea or air. First two months free, then unspecified charges. Anonymous auction.

* Freightgate Marketplace (www.freight-gate.com). Huntington Beach,

Calif. Shippers can place a firm or tentative offer. Carrier responds on a first-come, first-serve basis in real time. All blind auctions, where identities are not revealed until parties agree on a rate. Ocean and air now; rail and truck coming. Run by Martin Hubert, founder and chief executive of Ediideas, which owns Freightgate Marketplace. Free to shippers. Charges 2.25 percent commission to carriers.

* Freight-On-Line (www.freight-on-line.com), University Park, Fla. Ocean only. Quotes only. Accepts no advertising from carriers and prides itself on being vendor-neutral.

* Global Freight Exchange (www.gf-x.com). London. Scheduled to go live this spring. Air cargo only. Todd Morgan, chief executive, says London-based service aims to create a neutral market-place between airlines and forwarders.

* iShip.com (www.iship.com). Bellevue, Wash. Air cargo site that allows consumers and businesses compare the latest rates from the major carriers, including UPS, Federal Express, Airborne Express and the U.S. Postal Service, all from a single Web site. Shipping and tracking services also. Founded by Stephen Teglovic. Acquired in October by Stamps.com, an Internet postage company.

* Netshipbrokers.com (www.netshipbrokers.com). Piraeus, Greece. Ocean chartering online.

* Shipping-Auction.com (www.shipping-auction.com), Vancouver. Live auction for personal and commercial transportation of goods, nationally and internationally. Commission of 5 percent charged on negotiated contracts.

* Shipsolutions.net (www.shipsolutions.net), Atlanta. Active as of December 99. Air, ocean, truck. A service- and rate-quoting site for shippers and forwarders that can either search a database of carriers or send in a specific request for proposal. Also offers electronic documentation. Based in Atlanta. No transaction fees.

TRUCKING LOAD-MATCHING

* Freight-terminal.com (www.freight-terminal.com), Fort Myers, Fla. Established May 1997. Cost: \$125 for six months registration (three months free if invoice is paid within 30 days). Load-matching listed by date, weight, equipment type, origin and destination. Also offers classified ads. The site is designed to encourage companies to find each other with a view to long-term business, not just spot-market moves.

* Freightconnect.com (www.freightconnect.com), owned by Longs Internet Associates, South Lyon, Mich. Established October 1998. Air, ocean and trucking load matching. Charges for unlimited access are \$99.95 a month, or \$49.95 when seeking only either loads or carriers. Allows international and domestic freight carriers to search for shipments by country, region/state and zip code.

* Freightquote.com (www.freightquote.com). Overland Park, Kan. Online broker services for domestic less-than-truckload services. Carriers' rates not negotiable. Full-load, Canadian, reefer and flatbed service planned for 2000.

* Getloaded.com (www.getloaded.com), established by Codified Corp. in Richmond, Va. in April 1999, but now independent. Costs \$35 a month for unlimited access, open to carriers and brokers/shippers. Full truckloads only, most types. Allows search by origin/destination, by state, city or radius around a city. Also offers TransCredit CreditScore credit risk assessments of potential partners, free till March 2000. After March, the company says, it will offer a routing engine.

* GoLogistics.com (www.gologistics.com), Plymouth, Mass. Not yet live scheduled to launch April 1. Joint venture of USCO Logistics, Naugatuck, Conn.; PMC Logistics, a freight management consulting firm in Plymouth, Mass.; and ICON Transportation, a national logistics company in Remington, Ind. It's aimed at domestic LTL carriers as a spot market, with

a one-time registration fee of \$2,500 for both carriers and shippers.

20 * Itruckers.com (www.itruckers.com), Las Vegas, Nev. Owned by the Independent Truckers Group. Offers load-matching to truckers and shippers for full truckloads. Free searches within a user-specified radius. The service is targeted to reach North American truck operators and shippers with Internet access. Registration is free. Charges unknown.

21 * Layover.com (www.layover.com). Akron, Pa. An online trucking magazine that also offers load-matching services for LTL and full truckload. All services are free. Companies can also build their own free Web page. The site is supported by advertising revenue.

22 * LoadDock (www.loaddock.com). Hampton, Ark. Truckload-matching with no charge at this time. When they do begin to charge to search, the new subscription rate will be \$20 a month.

23 * Loadmatch .com (www. loadmatch .com). Naperville, Ill. Offers advertising and load-matching opportunities for trucking companies, shippers using railroad and steamship equipment, and intermodal marketing companies, freight forwarders, drayage truckers and equipment suppliers. Posted loads or equipment are accessible on the home page without a user name. Costs \$50 a month, with the first month free.

24 * Loadsource.com (www.loadsource.com). Columbia, Tenn. Offers van, reefer and flatbed load-matching for full truckloads. One-year membership is \$600 for carriers only.

25 * MassMotion (www.massmotion.com) Offers load-matching in English and Spanish versions. Membership is \$49 a month, allowing up to 50 postings for individual loads/trucks and up to 10 permanent lane listings. After that its 25 cents for an individual listing and \$13.00 for a trade lane.

26 * Nettrans.com (www.nettrans.com). Norcross, Ga. Real-time load matching database for van, flatbed and reefer, full truckloads. Updated 24 hours a day. Company Web sites created free, along with built-in, virtual private network. Quarterly subscription is \$159. Claims to be the oldest truckload-matching service on the Internet.

27 * National Transportation Exchange (www.nte.net), Downers Grove, Ill. Allows load-matching and trading of capacity at a price determined by NTE, according to certain market factors. Membership is free. Carriers are charged a percentage of what the shippers pay NTE to give to the carriers. Oldest electronic trucking exchange, although it went on the World Wide Web in 1998.

28 * OpenShip.com (www.openship.com). Mclean, Va. Electronic load-matching and auction for shippers and full truckload carriers. Free to shippers, transaction fees charged to carriers.

29 * Truckloadfreight.com (www.truckloadfreight.com). Columbia, Tenn. Full truckload-matching aimed at smaller carriers. All brokers pre-screened. Access available 24 hours a day, with loads updated hourly. Charges membership rates.

30 * Truckstop.com (www.truckstop.com) New Plymouth, Id. Load-matching for less-than truckload and full truckload, open to carriers, shippers and brokers. Costs \$35 a month.

31 * TranZlink (www.tranzlink.com). Owned by Trans Source in Glen Burnie, Md. Truck load-matching and some transactional capability. TranZlink allows both shipper and carrier to check each others credit worthiness. Free 30-day trial.

32 * Trucktraffic.com (www.trucktraffic.com). Hamilton, Mont. Load matching for full loads. Free 60-day trial membership.

SPECIALIZED TRUCKING

33 * EFlatbed.com (www.eflatbed.com) Pittsburgh. Offers load-matching for flatbed only. Open to brokers and shippers, as well as carriers. Free

membership.

* Livestockcentral.com (www.livestockcentral.com) based where.

34 Service matching empty equipment with livestock loads. Open to brokers, shippers and carriers. Membership is \$29.95 a month.

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How Baxter improved data exports

Rojek, Karen

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1 ABSTRACT: Baxter Export supplies Baxter Healthcare subsidiaries and other customers with Baxter products sourced from the US and Puerto Rico. The company decided to create a data warehousing and decision support system that would store shipping transaction data and provide detailed performance analysis. The data warehouse resides on IBM's AS/400 Model 320. Data retrieval and analysis are managed by MicroStrategy's DSS Agent, a flexible, scalable tool that supports sophisticated analysis while running directly against a relational database. Users can analyze aggregate data at a very high level, while having the capability of drilling down and analyzing data at the level of the actual shipping transaction. To make the data useful for business analysis, Baxter created a uniform international standard for the measurements that it used. In addition, the global system creates a standard set of terms and measurements that ensure data is universally comparable.

TEXT: Headnote:

2 Baxter Export has increased efficiency and shipping speed to its worldwide sources with its AS/400-based data warehouse.

3 Baxter Healthcare is a world leader in technologies related to the blood and circulatory systems, and every year, it delivers \$5.5 billion worth of medical products and devices to 140 countries around the world. Baxter Export supplies Baxter subsidiaries and other customers with Baxter products sourced from the U.S. and Puerto Rico.

4 Though performance analysis of this complex business was a pressing requirement, the huge scale of the shipping operation made it impossible to assess efficiency and performance consistency without extensive investment in data gathering and analysis. Baxter Export wanted a system to improve customer relations and save resources while gaining marketshare. To do so, it needed to be able to recognize and adopt the most successful shipping practices. In addition, it had to keep its suppliers informed about trends in market demand so that they could improve their own performance and efficiency.

Creating a data warehouse.

5 To accomplish this, we decided to create a data warehousing and decision support system that would store shipping transaction data and provide detailed performance analysis. As a system to fulfill a business need, the data warehouse needed to be reliable, functional and easy to maintain. It had to operate reliably and predictably so the company's efforts could go toward business analysis and optimization, rather than technical support.

6 We turned to IBM and MicroStrategy, Vienna, Va., to provide the server, data warehouse and analysis tools. The data warehouse resides on an AS/400 Model 50S, from which users can submit queries without affecting transactional data on the AS/400 Model 320. Data retrieval and analysis are managed by MicroStrategy's DSS Agent, a flexible, scalable tool that supports sophisticated analysis, while running directly against a relational database. The MicroStrategy/IBM partnership has provided Baxter Export with the powerful, scalable and stable system we need. Gone are the operating uncertainties and constant massaging of data that plagued the earlier systems analysts. Today, table population and hardware and data manipulation are simple and straightforward.

This data warehouse contains all the data about shipments exported to

7 Baxter customers, while providing business decision makers with appropriate data in a flexible and easy-to-modify format. Users can analyze aggregate data at a very high level, while having the capability of drilling down and analyzing data at the level of the actual shipping transaction.

8 Standardization achieves consistency. Initially, business users performed analyses by running queries directly against the transactional data, which created numerous problems as the details of the transaction logging system changed. Variations in the structure of the underlying transaction system and the definitions it used made analysis difficult to standardize. That meant the same query would return different results over time. To make the data useful for business analysis, we created a uniform international standard for the measurements that it used. In addition, the global system also creates a standard set of terms and measurements that ensure data is universally comparable.

9 { The data warehouse combines all available information in a form that remains constant. By using the data warehouse as a standard, common measures and a universal language have developed. This provides the basis for a uniform standard that can be used to compare performance over time and that serves as the benchmark for global decision making and resource allocation.

{ This international standard is important, because shipping times are not always directly comparable. Baxter Export must be able to compare the performance of the shipping pipelines, which serve locations as dissimilar as the United Kingdom and Indonesia. By creating an accurate, globally recognized standard, performance trends can be normalized and compared over time so that objective decisions can be made.

10 The analytical power and flexibility provided by DSS Agent give Baxter's decision-makers the power to fully explore the data to ensure that they understand it and use it properly. Users can explore the information summarized in high-level overviews. With the click of a button, DSS Agent provides access to data at any level of detail. If an answer is in question, users can easily view the individual transactions that produced it, providing a means of validating the reports that the system generates.

11 The efficiency and performance data the system provides are used to identify the practices that are most efficient and to determine which distributors could benefit most from additional resources or a restructuring of the shipping process. The analyses allow the shipping pipelines to improve their efficiency and performance.

The goal is not only to save money and resources, but also to provide a predictable service so that consumers can count on arrival times when determining their orders and predicting reserve levels.

12 Using MicroStrategy software on the AS/400 has enabled Baxter to produce a single, stable system that can support the data storage and analysis needs of a global organization. In addition to the power that both the platform and the software provide, the fact that the system itself is so stable and predictable makes the data warehousing effort a success.

13 The consistent performance of the MicroStrategy/IBM system and the ability to further investigate the data that it provides has made it invaluable as a tool for business. L

(Photograph Omitted)

14 Captioned as: Dave Chaffer, senior technical consultant, and Karen Rojek, project leader, report that data access and inconsistency were the biggest problems users previously faced. "They'd have to see Dave or me to get after transactional data," Rojek says.

Author Affiliation:

By Karen Rojek Project Leader Baxter Export